

ALMANAC XXXIII TRANSITS VISIBLE FROM VENUS IN BCE

The almanac XXXIII contains a list of transits visible from Venus from the 125th millennium BCE to the 1st millennium BCE.

During the period of 250 000 years, the total number of transits visible from Venus is 30 165 transits visible from Venus (30 165 transits of Mercury).

125TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 125th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-124988-02-26 14:54 J	-43930386.98	-43930386.88	-43930386.77	0.3612	0.2608		
Mercury	-124986-12-09 16:35 J	-43929370.89	-43929370.81	-43929370.72	0.3770	0.2061		
Mercury	-124983-09-12 22:35 J	-43928362.69	-43928362.56	-43928362.44	0.3605	0.2012		
Mercury	-124980-06-24 09:08 J	-43927347.23	-43927347.12	-43927347.02	0.3776	0.0280		
Mercury	-124974-01-08 01:13 J	-43925323.54	-43925323.45	-43925323.35	0.3781	0.1601		
Mercury	-124969-07-23 17:32 J	-43923299.81	-43923299.77	-43923299.72	0.3786	0.3410		
Mercury	-124935-12-30 21:51 J	-43910721.64	-43910721.59	-43910721.53	0.3766	0.3209		
Mercury	-124932-10-03 16:35 J	-43909713.96	-43909713.81	-43909713.66	0.3610	0.1030		
Mercury	-124929-07-15 14:25 J	-43908698.00	-43908697.90	-43908697.81	0.3772	0.1385		
Mercury	-124926-04-20 00:01 J	-43907689.50	-43907689.50	-43907689.49	0.3603	0.3591		
Mercury	-124923-01-29 06:44 J	-43906674.32	-43906674.22	-43906674.12	0.3777	0.0458		
Mercury	-124918-08-14 23:03 J	-43904650.62	-43904650.54	-43904650.46	0.3783	0.2268		
Mercury	-124878-08-06 19:42 J	-43890048.76	-43890048.68	-43890048.61	0.3767	0.2532		
Mercury	-124875-05-10 18:01 J	-43889040.90	-43889040.75	-43889040.60	0.3608	0.0502		
Mercury	-124872-02-19 12:01 J	-43888025.10	-43888025.00	-43888024.90	0.3773	0.0708		
Mercury	-124867-09-05 04:20 J	-43886001.42	-43886001.32	-43886001.22	0.3779	0.1122		
Mercury	-124861-03-20 20:39 J	-43883977.71	-43883977.64	-43883977.58	0.3784	0.2934		
Mercury	-124827-08-28 00:44 J	-43871399.48	-43871399.47	-43871399.45	0.3763	0.3677		
Mercury	-124824-05-31 12:15 J	-43870392.10	-43870391.99	-43870391.88	0.3614	0.2525		
Mercury	-124821-03-12 17:18 J	-43869375.87	-43869375.78	-43869375.69	0.3769	0.1849		
Mercury	-124819-12-15 19:42 J	-43868367.81	-43868367.68	-43868367.55	0.3607	0.2084		

Mercury -124816-09-26 09:37 J -43867352.20 -43867352.10 -43867352.00 0.3775 0.0039

Mercury -124810-04-12 01:56 J -43865328.51 -43865328.42 -43865328.33 0.3780 0.1790

Mercury -124805-10-25 18:15 J -43863304.77 -43863304.74 -43863304.71 0.3786 0.3598

Mercury -124770-04-03 22:35 J -43850726.62 -43850726.56 -43850726.50 0.3765 0.2993

Mercury -124767-01-05 13:56 J -43849719.07 -43849718.92 -43849718.78 0.3612 0.0959

Mercury -124765-10-17 14:54 J -43848702.98 -43848702.88 -43848702.78 0.3770 0.1173

Mercury -124759-05-03 07:13 J -43846679.30 -43846679.20 -43846679.10 0.3776 0.0650

Mercury -124754-11-16 23:32 J -43844655.60 -43844655.52 -43844655.44 0.3781 0.2457

Mercury -124714-11-08 20:11 J -43830053.74 -43830053.66 -43830053.58 0.3766 0.2319

Mercury -124711-08-12 15:37 J -43829046.01 -43829045.85 -43829045.70 0.3610 0.0629

Mercury -124708-05-24 12:30 J -43828030.08 -43828029.98 -43828029.88 0.3772 0.0500

Mercury -124703-12-08 04:49 J -43826006.40 -43826006.30 -43826006.20 0.3777 0.1312

Mercury -124697-06-22 21:08 J -43823982.68 -43823982.62 -43823982.57 0.3783 0.3122

Mercury -124663-11-30 01:27 J -43811404.48 -43811404.44 -43811404.41 0.3762 0.3469

Mercury -124660-09-02 09:37 J -43810397.21 -43810397.10 -43810396.98 0.3616 0.2394

Mercury -124657-06-14 17:47 J -43809380.85 -43809380.76 -43809380.67 0.3768 0.1645

Mercury -124654-03-19 17:18 J -43808372.90 -43808372.78 -43808372.66 0.3608 0.2212

Mercury -124652-12-29 10:06 J -43807357.18 -43807357.08 -43807356.98 0.3773 0.0169

Mercury -124646-07-15 02:25 J -43805333.49 -43805333.40 -43805333.31 0.3779 0.1980

Mercury -124606-07-06 23:03 J -43790731.61 -43790731.54 -43790731.47 0.3763 0.2791

Mercury -124603-04-09 11:18 J -43789724.18 -43789724.03 -43789723.88 0.3614 0.0843

Mercury -124600-01-19 15:23 J -43788707.96 -43788707.86 -43788707.76 0.3769 0.0974

Mercury -124595-08-05 07:42 J -43786684.28 -43786684.18 -43786684.08 0.3774 0.0843

Mercury -124589-02-19 00:01 J -43784660.57 -43784660.50 -43784660.43 0.3780 0.2650

Mercury -124549-02-10 20:39 J -43770058.72 -43770058.64 -43770058.55 0.3765 0.2110

Mercury -124547-11-14 12:59 J -43769051.11 -43769050.96 -43769050.81 0.3612 0.0733

Mercury -124544-08-26 12:59 J -43768035.06 -43768034.96 -43768034.85 0.3770 0.0314

Mercury -124538-03-12 05:18 J -43766011.37 -43766011.28 -43766011.18 0.3776 0.1519

Mercury -124533-09-24 21:37 J -43763987.64 -43763987.60 -43763987.55 0.3782 0.3322

Mercury -124498-03-04 01:56 J -43751409.47 -43751409.42 -43751409.37 0.3761 0.3247

Mercury -124496-12-05 07:13 J -43750402.32 -43750402.20 -43750402.09 0.3617 0.2282

Mercury -124493-09-16 18:15 J -43749385.83 -43749385.74 -43749385.64 0.3766 0.1438

Mercury -124490-06-21 14:39 J -43748378.01 -43748377.89 -43748377.78 0.3610 0.2302

Mercury -124487-04-02 10:49 J -43747362.16 -43747362.05 -43747361.95 0.3772 0.0416

Mercury -124482-10-17 02:54 J -43745338.46 -43745338.38 -43745338.29 0.3778 0.2187

Mercury -124442-10-08 23:32 J -43730736.59 -43730736.52 -43730736.44 0.3762 0.2577

Mercury -124439-07-12 08:39 J -43729729.29 -43729729.14 -43729728.99 0.3615 0.0729

Mercury -124436-04-23 16:06 J -43728712.94 -43728712.83 -43728712.73 0.3768 0.0782

Mercury -124431-11-07 08:11 J -43726689.25 -43726689.16 -43726689.06 0.3773 0.1053

Mercury -124425-05-23 00:44 J -43724665.54 -43724665.47 -43724665.41 0.3779 0.2847

Mercury -124391-10-30 04:49 J -43712087.31 -43712087.30 -43712087.29 0.3758 0.3721

Mercury -124385-05-14 21:08 J -43710063.70 -43710063.62 -43710063.53 0.3764 0.1909

Mercury -124382-02-16 10:20 J -43709056.22 -43709056.07 -43709055.92 0.3613 0.0834

Mercury -124380-11-28 13:27 J -43708040.04 -43708039.94 -43708039.83 0.3769 0.0178

Mercury -124374-06-14 05:47 J -43706016.35 -43706016.26 -43706016.16 0.3775 0.1710

Mercury -124369-12-27 22:06 J -43703992.61 -43703992.58 -43703992.54 0.3780 0.3501

Mercury -124334-06-06 02:25 J -43691414.46 -43691414.40 -43691414.34 0.3759 0.3047

Mercury -124331-03-09 04:35 J -43690407.43 -43690407.31 -43690407.19 0.3619 0.2159

Mercury -124329-12-19 18:44 J -43689390.81 -43689390.72 -43689390.62 0.3765 0.1248

Mercury -124326-09-23 12:01 J -43688383.11 -43688383.00 -43688382.89 0.3611 0.2404

Mercury -124323-07-05 11:18 J -43687367.14 -43687367.03 -43687366.93 0.3771 0.0582

Mercury -124317-01-19 03:37 J -43685343.43 -43685343.35 -43685343.27 0.3776 0.2371

Mercury -124277-01-11 00:01 J -43670741.58 -43670741.50 -43670741.42 0.3761 0.2375

Mercury -124275-10-14 06:15 J -43669734.39 -43669734.24 -43669734.09 0.3617 0.0599

Mercury -124272-07-26 16:35 J -43668717.91 -43668717.81 -43668717.71 0.3766 0.0572

Mercury -124266-02-09 08:54 J -43666694.23 -43666694.13 -43666694.03 0.3772 0.1243

Mercury -124261-08-25 01:13 J -43664670.51 -43664670.45 -43664670.39 0.3777 0.3037

Mercury -124226-02-01 05:18 J -43652092.31 -43652092.28 -43652092.24 0.3756 0.3505

Mercury -124224-11-04 00:30 J -43651085.50 -43651085.48 -43651085.46 0.3623 0.3579

Mercury -124221-08-16 21:51 J -43650068.69 -43650068.59 -43650068.50 0.3762 0.1701

Mercury -124218-05-21 07:42 J -43649061.33 -43649061.18 -43649061.03 0.3615 0.0919

Mercury -124215-03-02 14:11 J -43648045.01 -43648044.91 -43648044.81 0.3768 0.0110

Mercury -124210-09-16 06:30 J -43646021.32 -43646021.23 -43646021.14 0.3773 0.1905

Mercury -124204-03-31 22:49 J -43643997.57 -43643997.55 -43643997.53 0.3779 0.3696

Mercury -124170-09-08 03:08 J -43631419.44 -43631419.37 -43631419.31 0.3758 0.2836

Mercury -124167-06-11 01:56 J -43630412.54 -43630412.42 -43630412.29 0.3621 0.2067

Mercury -124164-03-23 19:27 J -43629395.79 -43629395.69 -43629395.59 0.3764 0.1029

Mercury -124162-12-26 09:23 J -43628388.22 -43628388.11 -43628388.00 0.3613 0.2478

Mercury -124159-10-07 11:47 J -43627372.11 -43627372.01 -43627371.91 0.3769 0.0773

Mercury -124153-04-22 04:06 J -43625348.40 -43625348.33 -43625348.26 0.3775 0.2565

Mercury -124113-04-14 00:44 J -43610746.56 -43610746.47 -43610746.39 0.3759 0.2164

Mercury -124110-01-16 03:37 J -43609739.51 -43609739.35 -43609739.20 0.3619 0.0546

Mercury -124108-10-28 17:03 J -43608722.89 -43608722.79 -43608722.69 0.3765 0.0365

Mercury -124102-05-14 09:23 J -43606699.20 -43606699.11 -43606699.01 0.3771 0.1436

Mercury -124097-11-27 01:42 J -43604675.48 -43604675.43 -43604675.38 0.3776 0.3219

Mercury -124062-05-06 06:01 J -43592097.30 -43592097.25 -43592097.21 0.3755 0.3296

Mercury -124059-02-05 22:06 J -43591090.62 -43591090.58 -43591090.54 0.3624 0.3469

Mercury -124057-11-18 22:20 J -43590073.67 -43590073.57 -43590073.48 0.3761 0.1498

Mercury -124054-08-23 05:18 J -43589066.43 -43589066.28 -43589066.14 0.3617 0.1034

Mercury -124051-06-04 14:39 J -43588049.99 -43588049.89 -43588049.79 0.3767 0.0307

Mercury -124046-12-19 06:59 J -43586026.29 -43586026.21 -43586026.12 0.3772 0.2093

Mercury -124006-12-11 03:37 J -43571424.43 -43571424.35 -43571424.28 0.3757 0.2628

Mercury -124003-09-12 23:32 J -43570417.65 -43570417.52 -43570417.39 0.3622 0.1939

124TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 124th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-124000-06-25 19:56 J	-43569400.77	-43569400.67	-43569400.57	0.3763	0.0825		
Mercury	-123997-03-29 06:59 J	-43568393.32	-43568393.21	-43568393.11	0.3615	0.2602		
Mercury	-123994-01-09 12:15 J	-43567377.09	-43567376.99	-43567376.89	0.3768	0.0971		
Mercury	-123989-07-25 04:35 J	-43565353.38	-43565353.31	-43565353.24	0.3774	0.2758		
Mercury	-123949-07-17 01:13 J	-43550751.54	-43550751.45	-43550751.36	0.3758	0.1960		
Mercury	-123946-04-20 00:59 J	-43549744.61	-43549744.46	-43549744.31	0.3621	0.0419		
Mercury	-123943-01-30 17:32 J	-43548727.87	-43548727.77	-43548727.66	0.3764	0.0187		
Mercury	-123938-08-16 09:51 J	-43546704.18	-43546704.09	-43546703.99	0.3769	0.1634		
Mercury	-123932-03-01 02:11 J	-43544680.45	-43544680.41	-43544680.36	0.3775	0.3418		
Mercury	-123898-08-08 06:30 J	-43532102.29	-43532102.23	-43532102.18	0.3754	0.3091		
Mercury	-123895-05-10 19:27 J	-43531095.75	-43531095.69	-43531095.64	0.3626	0.3379		
Mercury	-123892-02-20 22:49 J	-43530078.64	-43530078.55	-43530078.45	0.3760	0.1291		
Mercury	-123890-11-25 02:39 J	-43529071.54	-43529071.39	-43529071.25	0.3618	0.1128		
Mercury	-123887-09-06 15:08 J	-43528054.97	-43528054.87	-43528054.76	0.3765	0.0523		
Mercury	-123881-03-22 07:42 J	-43526031.27	-43526031.18	-43526031.10	0.3771	0.2296		
Mercury	-123841-03-14 04:06 J	-43511429.41	-43511429.33	-43511429.25	0.3755	0.2417		
Mercury	-123839-12-15 20:54 J	-43510422.76	-43510422.63	-43510422.50	0.3624	0.1850		
Mercury	-123836-09-27 20:39 J	-43509405.75	-43509405.64	-43509405.54	0.3761	0.0641		
Mercury	-123833-07-01 04:20 J	-43508398.43	-43508398.32	-43508398.22	0.3616	0.2678		
Mercury	-123830-04-13 12:59 J	-43507382.06	-43507381.96	-43507381.87	0.3767	0.1175		
Mercury	-123825-10-27 05:18 J	-43505358.35	-43505358.28	-43505358.22	0.3772	0.2950		

Mercury -123790-04-05 09:23 J -43492780.14 -43492780.11 -43492780.08 0.3751 0.3544

Mercury -123785-10-19 01:42 J -43490756.52 -43490756.43 -43490756.34 0.3757 0.1753

Mercury -123782-07-22 22:35 J -43489749.71 -43489749.56 -43489749.41 0.3622 0.0296

Mercury -123779-05-04 18:15 J -43488732.85 -43488732.74 -43488732.64 0.3763 0.0112

Mercury -123774-11-18 10:35 J -43486709.15 -43486709.06 -43486708.97 0.3768 0.1828

Mercury -123768-06-03 02:54 J -43484685.41 -43484685.38 -43484685.36 0.3774 0.3605

Mercury -123734-11-10 06:59 J -43472107.28 -43472107.21 -43472107.15 0.3753 0.2880

Mercury -123731-08-12 17:03 J -43471100.86 -43471100.79 -43471100.73 0.3628 0.3249

Mercury -123728-05-25 23:18 J -43470083.62 -43470083.53 -43470083.43 0.3759 0.1096

Mercury -123725-02-27 00:15 J -43469076.64 -43469076.49 -43469076.35 0.3620 0.1244

Mercury -123723-12-09 15:51 J -43468059.95 -43468059.84 -43468059.74 0.3764 0.0710

Mercury -123717-06-24 08:11 J -43466036.24 -43466036.16 -43466036.09 0.3770 0.2481

Mercury -123677-06-16 04:34 J -43451434.39 -43451434.31 -43451434.23 0.3754 0.2218

Mercury -123674-03-19 18:30 J -43450427.86 -43450427.73 -43450427.59 0.3626 0.1718

Mercury -123672-12-30 21:08 J -43449410.73 -43449410.62 -43449410.52 0.3760 0.0451

Mercury -123669-10-03 01:42 J -43448403.53 -43448403.43 -43448403.33 0.3618 0.2776

Mercury -123666-07-16 13:27 J -43447387.04 -43447386.94 -43447386.85 0.3766 0.1359

Mercury -123660-01-29 05:46 J -43445363.32 -43445363.26 -43445363.21 0.3771 0.3133

Mercury -123626-07-08 09:51 J -43432785.14 -43432785.09 -43432785.05 0.3750 0.3343

Mercury -123620-01-21 02:10 J -43430761.50 -43430761.41 -43430761.31 0.3756 0.1556

Mercury -123618-10-24 20:10 J -43429754.82 -43429754.66 -43429754.51 0.3624 0.0215

Mercury -123615-08-06 18:44 J -43428737.83 -43428737.72 -43428737.62 0.3761 0.0250

Mercury -123609-02-20 11:03 J -43426714.13 -43426714.04 -43426713.95 0.3767 0.2022

Mercury -123569-02-12 07:27 J -43412112.26 -43412112.19 -43412112.11 0.3751 0.2672

Mercury -123567-11-14 14:39 J -43411105.97 -43411105.89 -43411105.82 0.3629 0.3121

Mercury -123564-08-28 00:01 J -43410088.60 -43410088.50 -43410088.40 0.3757 0.0881

Mercury -123561-05-30 21:22 J -43409081.75 -43409081.61 -43409081.46 0.3622 0.1314

Mercury -123558-03-13 16:20 J -43408064.92 -43408064.82 -43408064.72 0.3763 0.0903

Mercury -123553-09-26 08:39 J -43406041.21 -43406041.14 -43406041.07 0.3768 0.2681

Mercury -123513-09-18 05:18 J -43391439.37 -43391439.28 -43391439.20 0.3753 0.2002

Mercury -123510-06-21 16:06 J -43390432.97 -43390432.83 -43390432.70 0.3627 0.1616

Mercury -123507-04-03 21:37 J -43389415.70 -43389415.60 -43389415.50 0.3759 0.0215

Mercury -123504-01-04 23:03 J -43388408.63 -43388408.54 -43388408.45 0.3620 0.2842

Mercury -123502-10-18 13:56 J -43387392.01 -43387391.92 -43387391.82 0.3764 0.1565

Mercury -123496-05-03 06:15 J -43385368.28 -43385368.24 -43385368.19 0.3770 0.3332

Mercury -123462-10-10 10:20 J -43372790.12 -43372790.07 -43372790.01 0.3749 0.3130

Mercury -123456-04-25 02:54 J -43370766.48 -43370766.38 -43370766.28 0.3754 0.1340

Mercury -123453-01-26 17:32 J -43369759.93 -43369759.77 -43369759.62 0.3625 0.0157

Mercury -123451-11-08 19:13 J -43368742.80 -43368742.70 -43368742.60 0.3760 0.0436

Mercury -123445-05-24 11:32 J -43366719.10 -43366719.02 -43366718.93 0.3766 0.2217

Mercury -123405-05-16 08:10 J -43352117.24 -43352117.16 -43352117.09 0.3750 0.2470

Mercury -123402-02-16 12:01 J -43351111.08 -43351111.00 -43351110.92 0.3631 0.3005

Mercury -123400-11-30 00:30 J -43350093.58 -43350093.48 -43350093.38 0.3756 0.0686

Mercury -123397-09-01 18:58 J -43349086.85 -43349086.71 -43349086.57 0.3623 0.1404

Mercury -123394-06-15 16:49 J -43348069.90 -43348069.80 -43348069.70 0.3762 0.1094

Mercury -123389-12-29 09:08 J -43346046.18 -43346046.12 -43346046.05 0.3767 0.2861

Mercury -123354-06-07 13:13 J -43333467.98 -43333467.95 -43333467.92 0.3746 0.3591

Mercury -123349-12-21 05:46 J -43331444.35 -43331444.26 -43331444.17 0.3752 0.1804

Mercury -123346-09-23 13:27 J -43330438.07 -43330437.94 -43330437.80 0.3629 0.1507

Mercury -123343-07-06 22:06 J -43329420.68 -43329420.58 -43329420.47 0.3757 0.0073

Mercury -123340-04-08 20:39 J -43328413.73 -43328413.64 -43328413.56 0.3621 0.2948

Mercury -123337-01-20 14:25 J -43327396.99 -43327396.90 -43327396.80 0.3763 0.1758

Mercury -123332-08-05 06:58 J -43325373.25 -43325373.21 -43325373.18 0.3768 0.3516

Mercury -123297-01-12 10:49 J -43312795.11 -43312795.05 -43312794.98 0.3747 0.2928

Mercury -123292-07-28 03:22 J -43310771.46 -43310771.36 -43310771.26 0.3753 0.1138

Mercury -123289-04-29 14:54 J -43309765.03 -43309764.88 -43309764.73 0.3627 0.0053

Mercury -123286-02-10 19:56 J -43308747.78 -43308747.67 -43308747.57 0.3759 0.0661

Mercury -123281-08-26 12:15 J -43306724.07 -43306723.99 -43306723.91 0.3764 0.2409

Mercury -123241-08-18 08:39 J -43292122.22 -43292122.14 -43292122.06 0.3749 0.2256

Mercury -123238-05-21 09:22 J -43291116.19 -43291116.11 -43291116.02 0.3633 0.2917

Mercury -123235-03-04 00:58 J -43290098.56 -43290098.46 -43290098.35 0.3755 0.0492

Mercury -123233-12-04 16:20 J -43289091.95 -43289091.82 -43289091.68 0.3625 0.1504

Mercury -123230-09-17 17:32 J -43288074.87 -43288074.77 -43288074.68 0.3760 0.1301

Mercury -123224-04-02 09:51 J -43286051.15 -43286051.09 -43286051.03 0.3766 0.3056

Mercury -123190-09-09 13:42 J -43273472.97 -43273472.93 -43273472.88 0.3744 0.3382

Mercury -123184-03-25 06:15 J -43271449.33 -43271449.24 -43271449.14 0.3750 0.1594

Mercury -123182-12-26 10:49 J -43270443.19 -43270443.05 -43270442.91 0.3631 0.1430

Mercury -123179-10-08 22:49 J -43269425.66 -43269425.55 -43269425.45 0.3756 0.0229

Mercury -123176-07-11 18:01 J -43268418.83 -43268418.75 -43268418.67 0.3623 0.3029

Mercury -123173-04-23 15:08 J -43267401.96 -43267401.87 -43267401.78 0.3762 0.1947

Mercury -123168-11-07 07:27 J -43265378.21 -43265378.19 -43265378.18 0.3768 0.3698

Mercury -123133-04-15 11:32 J -43252800.09 -43252800.02 -43252799.95 0.3746 0.2713

Mercury -123128-10-30 03:51 J -43250776.44 -43250776.34 -43250776.24 0.3752 0.0941

Mercury -123125-08-01 12:30 J -43249770.13 -43249769.98 -43249769.83 0.3629 0.0094

Mercury -123122-05-15 20:25 J -43248752.75 -43248752.65 -43248752.55 0.3758 0.0841

Mercury -123117-11-28 12:44 J -43246729.04 -43246728.97 -43246728.90 0.3763 0.2593

Mercury -123077-11-20 09:08 J -43232127.21 -43232127.12 -43232127.03 0.3748 0.2052

Mercury -123074-08-23 07:13 J -43231121.30 -43231121.20 -43231121.11 0.3634 0.2793

Mercury -123071-06-06 01:42 J -43230103.54 -43230103.43 -43230103.33 0.3754 0.0312

Mercury -123068-03-08 14:10 J -43229097.05 -43229096.91 -43229096.78 0.3627 0.1622

Mercury -123066-12-20 18:01 J -43228079.85 -43228079.75 -43228079.66 0.3759 0.1487

Mercury -123060-07-05 10:20 J -43226056.12 -43226056.07 -43226056.02 0.3765 0.3241

Mercury -123026-12-12 14:25 J -43213477.96 -43213477.90 -43213477.85 0.3743 0.3175

Mercury -123020-06-27 06:44 J -43211454.31 -43211454.22 -43211454.12 0.3749 0.1396

Mercury -123017-03-29 08:39 J -43210448.28 -43210448.14 -43210448.00 0.3632 0.1294

Mercury -123014-01-10 23:18 J -43209430.64 -43209430.53 -43209430.43 0.3755 0.0386

Mercury -123012-10-13 15:37 J -43208423.92 -43208423.85 -43208423.78 0.3625 0.3137

Mercury -123009-07-26 15:37 J -43207406.93 -43207406.85 -43207406.76 0.3760 0.2138

123RD MILLENNIUM BCE

This is a list of transits visible from Venus in the 123rd millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-122969-07-18 12:01 J	-43192805.08	-43192805.00	-43192804.92	0.3745	0.2510		
Mercury	-122963-02-01 04:34 J	-43190781.42	-43190781.31	-43190781.21	0.3751	0.0755		
Mercury	-122961-11-03 10:06 J	-43189775.23	-43189775.08	-43189774.93	0.3630	0.0203		
Mercury	-122958-08-17 20:54 J	-43188757.73	-43188757.63	-43188757.53	0.3756	0.1031		
Mercury	-122952-03-02 13:13 J	-43186734.01	-43186733.95	-43186733.88	0.3762	0.2788		
Mercury	-122918-08-09 17:03 J	-43174155.81	-43174155.79	-43174155.76	0.3740	0.3629		
Mercury	-122912-02-22 09:37 J	-43172132.19	-43172132.10	-43172132.01	0.3746	0.1850		
Mercury	-122910-11-25 04:34 J	-43171126.41	-43171126.31	-43171126.21	0.3636	0.2682		
Mercury	-122907-09-08 02:10 J	-43170108.52	-43170108.41	-43170108.31	0.3752	0.0089		
Mercury	-122904-06-10 11:18 J	-43169102.16	-43169102.03	-43169101.89	0.3628	0.1683		
Mercury	-122901-03-23 18:30 J	-43168084.82	-43168084.73	-43168084.64	0.3758	0.1686		
Mercury	-122896-10-07 11:03 J	-43166061.08	-43166061.04	-43166061.01	0.3764	0.3438		
Mercury	-122861-03-15 14:54 J	-43153482.94	-43153482.88	-43153482.82	0.3742	0.2957		
Mercury	-122856-09-29 07:27 J	-43151459.29	-43151459.19	-43151459.09	0.3748	0.1185		
Mercury	-122853-07-01 06:01 J	-43150453.39	-43150453.25	-43150453.10	0.3634	0.1201		
Mercury	-122850-04-14 23:46 J	-43149435.61	-43149435.51	-43149435.41	0.3754	0.0588		
Mercury	-122847-01-15 12:58 J	-43148429.03	-43148428.96	-43148428.89	0.3626	0.3186		

Mercury -122845-10-28 16:06 J -43147411.91 -43147411.83 -43147411.75 0.3759 0.2338

Mercury -122805-10-20 12:30 J -43132810.06 -43132809.98 -43132809.90 0.3744 0.2300

Mercury -122799-05-06 05:03 J -43130786.39 -43130786.29 -43130786.19 0.3749 0.0528

Mercury -122796-02-05 07:27 J -43129780.34 -43129780.19 -43129780.03 0.3632 0.0306

Mercury -122794-11-19 21:22 J -43128762.70 -43128762.61 -43128762.51 0.3755 0.1231

Mercury -122788-06-04 13:56 J -43126738.98 -43126738.92 -43126738.86 0.3761 0.2979

Mercury -122754-11-11 17:46 J -43114160.80 -43114160.76 -43114160.72 0.3739 0.3419

Mercury -122748-05-27 10:20 J -43112137.17 -43112137.07 -43112136.98 0.3745 0.1648

Mercury -122745-02-27 02:25 J -43111131.51 -43111131.40 -43111131.30 0.3638 0.2560

Mercury -122743-12-11 02:39 J -43110113.49 -43110113.39 -43110113.29 0.3751 0.0119

Mercury -122740-09-12 08:54 J -43109107.26 -43109107.13 -43109107.00 0.3630 0.1775

Mercury -122737-06-25 18:58 J -43108089.79 -43108089.71 -43108089.62 0.3757 0.1877

Mercury -122731-01-09 11:32 J -43106066.05 -43106066.02 -43106066.00 0.3762 0.3616

Mercury -122697-06-17 15:22 J -43093487.93 -43093487.86 -43093487.79 0.3741 0.2758

Mercury -122691-01-01 07:56 J -43091464.27 -43091464.17 -43091464.07 0.3747 0.0994

Mercury -122689-10-03 03:37 J -43090458.49 -43090458.35 -43090458.20 0.3636 0.1092

Mercury -122686-07-18 00:15 J -43089440.59 -43089440.49 -43089440.38 0.3752 0.0780

Mercury -122683-04-19 10:20 J -43088434.13 -43088434.07 -43088434.00 0.3628 0.3276

Mercury -122680-01-30 16:49 J -43087416.88 -43087416.80 -43087416.73 0.3758 0.2519

Mercury -122640-01-22 12:58 J -43072815.04 -43072814.96 -43072814.87 0.3742 0.2101

Mercury -122635-08-08 05:32 J -43070791.37 -43070791.27 -43070791.16 0.3748 0.0335

Mercury -122632-05-10 05:03 J -43069785.44 -43069785.29 -43069785.14 0.3634 0.0377

Mercury -122629-02-21 22:06 J -43068767.68 -43068767.58 -43068767.49 0.3754 0.1428

Mercury -122624-09-06 14:25 J -43066743.95 -43066743.90 -43066743.85 0.3759 0.3167

Mercury -122589-02-13 18:15 J -43054165.79 -43054165.74 -43054165.69 0.3738 0.3201

Mercury -122584-08-29 10:49 J -43052142.15 -43052142.05 -43052141.96 0.3744 0.1435

Mercury -122581-05-30 23:46 J -43051136.62 -43051136.51 -43051136.40 0.3639 0.2470

Mercury -122578-03-15 03:22 J -43050118.47 -43050118.36 -43050118.26 0.3750 0.0359

Mercury -122576-12-15 06:30 J -43049112.36 -43049112.23 -43049112.10 0.3632 0.1863

Mercury -122573-09-27 19:42 J -43048094.77 -43048094.68 -43048094.59 0.3755 0.2072

Mercury -122533-09-19 15:51 J -43033492.91 -43033492.84 -43033492.76 0.3740 0.2547

Mercury -122527-04-05 08:25 J -43031469.25 -43031469.15 -43031469.05 0.3745 0.0783

Mercury -122524-01-05 01:13 J -43030463.60 -43030463.45 -43030463.31 0.3637 0.1005

Mercury -122522-10-20 00:58 J -43029445.56 -43029445.46 -43029445.36 0.3751 0.0976

Mercury -122519-07-22 07:56 J -43028439.22 -43028439.17 -43028439.11 0.3630 0.3364

Mercury -122516-05-04 17:18 J -43027421.85 -43027421.78 -43027421.71 0.3757 0.2715

Mercury -122482-10-11 21:08 J -43014843.64 -43014843.62 -43014843.60 0.3735 0.3657

Mercury -122476-04-26 13:42 J -43012820.02 -43012819.93 -43012819.84 0.3741 0.1891

Mercury -122471-11-10 06:01 J -43010796.35 -43010796.25 -43010796.14 0.3747 0.0173

Mercury -122468-08-12 02:39 J -43009790.54 -43009790.39 -43009790.24 0.3635 0.0473

Mercury -122465-05-25 22:34 J -43008772.65 -43008772.56 -43008772.47 0.3753 0.1616

Mercury -122460-12-09 14:54 J -43006748.92 -43006748.88 -43006748.83 0.3758 0.3348

Mercury -122425-05-17 18:44 J -42994170.78 -42994170.72 -42994170.66 0.3737 0.2997

Mercury -122420-12-01 11:18 J -42992147.13 -42992147.03 -42992146.93 0.3743 0.1240

Mercury -122417-09-01 21:22 J -42991141.72 -42991141.61 -42991141.49 0.3641 0.2355

Mercury -122414-06-17 03:51 J -42990123.45 -42990123.34 -42990123.24 0.3749 0.0528

Mercury -122411-03-19 04:06 J -42989117.46 -42989117.33 -42989117.20 0.3633 0.1965

Mercury -122409-12-30 20:10 J -42988099.74 -42988099.66 -42988099.58 0.3754 0.2255

Mercury -122369-12-22 16:34 J -42973497.90 -42973497.81 -42973497.73 0.3738 0.2347

Mercury -122363-07-08 08:54 J -42971474.23 -42971474.13 -42971474.02 0.3744 0.0596

Mercury -122360-04-08 22:49 J -42970468.69 -42970468.55 -42970468.40 0.3639 0.0883

Mercury -122357-01-22 01:27 J -42969450.54 -42969450.44 -42969450.34 0.3750 0.1165

Mercury -122355-10-24 05:32 J -42968444.31 -42968444.27 -42968444.22 0.3631 0.3459

Mercury -122352-08-06 17:46 J -42967426.82 -42967426.76 -42967426.69 0.3756 0.2905

Mercury -122317-01-13 21:37 J -42954848.64 -42954848.60 -42954848.56 0.3734 0.3449

Mercury -122312-07-29 14:10 J -42952825.00 -42952824.91 -42952824.82 0.3740 0.1686

Mercury -122306-02-12 06:44 J -42950801.33 -42950801.22 -42950801.12 0.3746 0.0112

Mercury -122304-11-14 00:15 J -42949795.64 -42949795.49 -42949795.34 0.3637 0.0581

Mercury -122301-08-27 23:03 J -42948777.63 -42948777.54 -42948777.45 0.3751 0.1812

Mercury -122295-03-13 15:37 J -42946753.88 -42946753.85 -42946753.82 0.3757 0.3543

Mercury -122261-08-19 19:13 J -42934175.76 -42934175.70 -42934175.63 0.3736 0.2793

Mercury -122255-03-05 11:46 J -42932152.11 -42932152.01 -42932151.91 0.3741 0.1039

Mercury -122253-12-04 18:58 J -42931146.82 -42931146.71 -42931146.59 0.3643 0.2243

Mercury -122250-09-19 04:20 J -42930128.42 -42930128.32 -42930128.22 0.3747 0.0716

Mercury -122247-06-21 01:27 J -42929122.56 -42929122.44 -42929122.31 0.3635 0.2027

Mercury -122244-04-03 20:39 J -42928104.71 -42928104.64 -42928104.56 0.3753 0.2457

Mercury -122204-03-26 17:03 J -42913502.88 -42913502.79 -42913502.71 0.3737 0.2134

Mercury -122199-10-10 09:37 J -42911479.21 -42911479.10 -42911479.00 0.3743 0.0390

Mercury -122196-07-11 20:25 J -42910473.80 -42910473.65 -42910473.50 0.3640 0.0794

Mercury -122193-04-25 01:56 J -42909455.51 -42909455.42 -42909455.32 0.3749 0.1366

Mercury -122190-01-26 02:54 J -42908449.41 -42908449.38 -42908449.34 0.3633 0.3503

Mercury -122188-11-08 18:30 J -42907431.79 -42907431.73 -42907431.68 0.3754 0.3089

Mercury -122153-04-16 22:06 J -42894853.63 -42894853.58 -42894853.53 0.3733 0.3237

Mercury -122148-10-31 14:39 J -42892829.98 -42892829.89 -42892829.79 0.3739 0.1484

Mercury -122145-08-01 15:22 J -42891824.89 -42891824.86 -42891824.83 0.3646 0.3556

Mercury -122142-05-17 07:13 J -42890806.30 -42890806.20 -42890806.10 0.3745 0.0269

Mercury -122139-02-15 21:51 J -42889800.74 -42889800.59 -42889800.44 0.3638 0.0670

Mercury -122137-11-29 23:32 J -42888782.60 -42888782.52 -42888782.43 0.3750 0.2005

Mercury -122131-06-15 16:06 J -42886758.84 -42886758.83 -42886758.82 0.3756 0.3725

Mercury -122097-11-21 19:56 J -42874180.75 -42874180.67 -42874180.60 0.3734 0.2590

Mercury -122091-06-07 12:30 J -42872157.09 -42872156.98 -42872156.88 0.3740 0.0842

Mercury -122088-03-08 16:49 J -42871151.92 -42871151.80 -42871151.68 0.3644 0.2115

Mercury -122086-12-22 04:49 J -42870133.40 -42870133.30 -42870133.20 0.3746 0.0911

Mercury -122083-09-22 23:03 J -42869127.66 -42869127.54 -42869127.41 0.3636 0.2128

Mercury -122080-07-06 21:22 J -42868109.69 -42868109.61 -42868109.54 0.3752 0.2640

Mercury -122046-12-14 00:58 J -42855531.47 -42855531.46 -42855531.45 0.3730 0.3693

Mercury -122040-06-28 17:32 J -42853507.86 -42853507.77 -42853507.68 0.3736 0.1935

Mercury -122034-01-12 10:06 J -42851484.19 -42851484.08 -42851483.98 0.3742 0.0193

Mercury -122032-10-13 18:01 J -42850478.89 -42850478.75 -42850478.60 0.3642 0.0686

Mercury -122029-07-28 02:39 J -42849460.49 -42849460.39 -42849460.30 0.3747 0.1558

Mercury -122026-04-30 00:30 J -42848454.50 -42848454.48 -42848454.46 0.3635 0.3595
 Mercury -122023-02-10 18:58 J -42847436.76 -42847436.71 -42847436.66 0.3753 0.3273

122ND MILLENNIUM BCE

This is a list of transits visible from Venus in the 122nd millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-121989-07-19 22:34 J	-42834858.62	-42834858.56	-42834858.50	0.3732	0.3037		
Mercury	-121983-02-02 15:08 J	-42832834.97	-42832834.87	-42832834.77	0.3737	0.1287		
Mercury	-121981-11-03 13:13 J	-42831830.00	-42831829.95	-42831829.91	0.3648	0.3437		
Mercury	-121978-08-19 07:41 J	-42830811.28	-42830811.18	-42830811.07	0.3743	0.0465		
Mercury	-121975-05-20 19:13 J	-42829805.85	-42829805.70	-42829805.55	0.3640	0.0734		
Mercury	-121972-03-04 00:15 J	-42828787.57	-42828787.49	-42828787.41	0.3749	0.2193		
Mercury	-121932-02-23 20:25 J	-42814185.73	-42814185.65	-42814185.57	0.3733	0.2378		
Mercury	-121927-09-09 12:58 J	-42812162.06	-42812161.96	-42812161.86	0.3739	0.0630		
Mercury	-121924-06-10 14:25 J	-42811157.03	-42811156.90	-42811156.78	0.3646	0.2041		
Mercury	-121921-03-25 05:32 J	-42810138.37	-42810138.27	-42810138.17	0.3745	0.1114		
Mercury	-121919-12-25 20:39 J	-42809132.76	-42809132.64	-42809132.52	0.3638	0.2201		
Mercury	-121916-10-08 21:51 J	-42808114.65	-42808114.59	-42808114.52	0.3751	0.2833		
Mercury	-121881-03-17 01:27 J	-42795536.47	-42795536.44	-42795536.40	0.3729	0.3477		
Mercury	-121876-09-30 18:01 J	-42793512.84	-42793512.75	-42793512.65	0.3735	0.1726		

Mercury -121870-04-16 10:34 J -42791489.16 -42791489.06 -42791488.95 0.3741 0.0099

Mercury -121867-01-15 15:37 J -42790484.00 -42790483.85 -42790483.70 0.3644 0.0605

Mercury -121865-10-30 03:08 J -42789465.46 -42789465.37 -42789465.28 0.3746 0.1749

Mercury -121859-05-15 19:27 J -42787441.72 -42787441.69 -42787441.65 0.3752 0.3469

Mercury -121825-10-21 23:17 J -42774863.60 -42774863.53 -42774863.47 0.3731 0.2828

Mercury -121819-05-07 15:51 J -42772839.94 -42772839.84 -42772839.74 0.3736 0.1077

Mercury -121816-02-05 10:49 J -42771835.11 -42771835.05 -42771834.99 0.3649 0.3335

Mercury -121814-11-21 08:10 J -42770816.26 -42770816.16 -42770816.05 0.3742 0.0671

Mercury -121811-08-22 17:03 J -42769810.94 -42769810.79 -42769810.65 0.3642 0.0844

Mercury -121808-06-06 00:44 J -42768792.55 -42768792.47 -42768792.39 0.3748 0.2384

Mercury -121768-05-28 20:53 J -42754190.71 -42754190.63 -42754190.55 0.3732 0.2175

Mercury -121763-12-12 13:27 J -42752167.04 -42752166.94 -42752166.84 0.3738 0.0436

Mercury -121760-09-12 12:01 J -42751162.13 -42751162.00 -42751161.88 0.3647 0.1927

Mercury -121757-06-27 06:01 J -42750143.35 -42750143.25 -42750143.16 0.3744 0.1297

Mercury -121754-03-29 18:29 J -42749137.85 -42749137.73 -42749137.62 0.3640 0.2303

Mercury -121751-01-10 22:20 J -42748119.63 -42748119.57 -42748119.51 0.3749 0.3012

Mercury -121717-06-19 01:56 J -42735541.47 -42735541.42 -42735541.37 0.3728 0.3278

Mercury -121711-01-02 18:29 J -42733517.82 -42733517.73 -42733517.63 0.3733 0.1531

Mercury -121706-07-19 11:03 J -42731494.14 -42731494.04 -42731493.93 0.3739 0.0242

Mercury -121703-04-19 13:13 J -42730489.10 -42730488.95 -42730488.80 0.3646 0.0504

Mercury -121700-02-01 03:37 J -42729470.44 -42729470.35 -42729470.26 0.3745 0.1935

Mercury -121695-08-17 20:10 J -42727446.68 -42727446.66 -42727446.64 0.3751 0.3647

Mercury -121660-01-23 23:46 J -42714868.59 -42714868.51 -42714868.44 0.3729 0.2625

Mercury -121655-08-09 16:20 J -42712844.92 -42712844.82 -42712844.72 0.3735 0.0876

Mercury -121652-05-10 08:25 J -42711840.22 -42711840.15 -42711840.08 0.3651 0.3225

Mercury -121649-02-23 08:53 J -42710821.23 -42710821.13 -42710821.03 0.3741 0.0856

Mercury -121647-11-24 14:39 J -42709816.03 -42709815.89 -42709815.74 0.3644 0.0949

Mercury -121644-09-08 01:13 J -42708797.52 -42708797.45 -42708797.37 0.3746 0.2580

Mercury -121609-02-15 04:49 J -42696219.30 -42696219.30 -42696219.30 0.3725 0.3717

Mercury -121604-08-30 21:22 J -42694195.70 -42694195.61 -42694195.52 0.3731 0.1967

Mercury -121598-03-16 13:56 J -42692172.02 -42692171.92 -42692171.81 0.3737 0.0264

Mercury -121596-12-15 09:37 J -42691167.23 -42691167.10 -42691166.97 0.3649 0.1819

Mercury -121593-09-29 06:29 J -42690148.32 -42690148.23 -42690148.13 0.3742 0.1498

Mercury -121590-07-01 15:51 J -42689142.95 -42689142.84 -42689142.72 0.3641 0.2371

Mercury -121587-04-14 23:03 J -42688124.59 -42688124.54 -42688124.49 0.3748 0.3206

Mercury -121553-09-21 02:25 J -42675546.45 -42675546.40 -42675546.34 0.3726 0.3068

Mercury -121547-04-06 19:13 J -42673522.80 -42673522.70 -42673522.60 0.3732 0.1321

Mercury -121542-10-21 11:46 J -42671499.12 -42671499.01 -42671498.91 0.3738 0.0420

Mercury -121539-07-22 11:03 J -42670494.19 -42670494.04 -42670493.89 0.3647 0.0400

Mercury -121536-05-06 04:20 J -42669475.41 -42669475.32 -42669475.24 0.3744 0.2135

Mercury -121496-04-28 00:15 J -42654873.57 -42654873.49 -42654873.41 0.3728 0.2414

Mercury -121491-11-11 16:49 J -42652849.90 -42652849.80 -42652849.70 0.3734 0.0680

Mercury -121488-08-12 06:15 J -42651845.32 -42651845.24 -42651845.17 0.3653 0.3112

Mercury -121485-05-27 09:22 J -42650826.21 -42650826.11 -42650826.01 0.3740 0.1048

Mercury -121482-02-26 12:15 J -42649821.13 -42649820.99 -42649820.85 0.3645 0.1032

Mercury -121480-12-11 01:56 J -42648802.49 -42648802.42 -42648802.35 0.3745 0.2757

Mercury -121445-05-19 05:17 J -42636224.31 -42636224.28 -42636224.25 0.3724 0.3509

Mercury -121440-12-02 21:51 J -42634200.68 -42634200.59 -42634200.49 0.3730 0.1772

Mercury -121434-06-18 14:25 J -42632177.00 -42632176.90 -42632176.79 0.3736 0.0168

Mercury -121431-03-19 07:27 J -42631172.32 -42631172.19 -42631172.06 0.3651 0.1695

Mercury -121428-01-01 06:58 J -42630153.30 -42630153.21 -42630153.11 0.3741 0.1686

Mercury -121426-10-03 13:41 J -42629148.04 -42629147.93 -42629147.83 0.3643 0.2462

Mercury -121423-07-17 23:32 J -42628129.56 -42628129.52 -42628129.48 0.3747 0.3384

Mercury -121389-12-24 03:08 J -42615551.44 -42615551.37 -42615551.31 0.3725 0.2866

Mercury -121383-07-09 19:41 J -42613527.78 -42613527.68 -42613527.58 0.3731 0.1123

Mercury -121377-01-23 12:15 J -42611504.09 -42611503.99 -42611503.89 0.3737 0.0605

Mercury -121375-10-24 08:53 J -42610499.28 -42610499.13 -42610498.99 0.3649 0.0300

Mercury -121372-08-08 04:49 J -42609480.38 -42609480.30 -42609480.22 0.3743 0.2319

Mercury -121332-07-31 00:44 J -42594878.55 -42594878.47 -42594878.39 0.3727 0.2211

Mercury -121326-02-13 17:17 J -42592854.88 -42592854.78 -42592854.67 0.3733 0.0489

Mercury -121324-11-14 04:05 J -42591850.42 -42591850.33 -42591850.25 0.3655 0.2988

Mercury -121321-08-29 09:51 J -42590831.19 -42590831.09 -42590830.99 0.3738 0.1247

Mercury -121318-05-31 09:51 J -42589826.23 -42589826.09 -42589825.95 0.3647 0.1096

Mercury -121315-03-15 02:25 J -42588807.46 -42588807.40 -42588807.34 0.3744 0.2947

Mercury -121281-08-21 05:46 J -42576229.30 -42576229.26 -42576229.21 0.3723 0.3305

Mercury -121275-03-06 22:34 J -42574205.66 -42574205.56 -42574205.47 0.3728 0.1566

Mercury -121270-09-20 15:08 J -42572181.98 -42572181.87 -42572181.77 0.3734 0.0176

Mercury -121267-06-21 05:03 J -42571177.42 -42571177.29 -42571177.16 0.3652 0.1612

Mercury -121264-04-05 07:41 J -42570158.27 -42570158.18 -42570158.09 0.3740 0.1878

Mercury -121261-01-05 11:03 J -42569153.15 -42569153.04 -42569152.93 0.3645 0.2516

Mercury -121259-10-20 00:01 J -42568134.52 -42568134.50 -42568134.47 0.3746 0.3575

Mercury -121224-03-28 03:37 J -42555556.43 -42555556.35 -42555556.28 0.3724 0.2652

Mercury -121219-10-11 20:10 J -42553532.76 -42553532.66 -42553532.56 0.3730 0.0919

Mercury -121213-04-26 12:44 J -42551509.07 -42551508.97 -42551508.87 0.3736 0.0809

Mercury -121210-01-26 06:15 J -42550504.39 -42550504.24 -42550504.09 0.3650 0.0218

Mercury -121208-11-10 05:17 J -42549485.36 -42549485.28 -42549485.20 0.3742 0.2505

Mercury -121168-11-02 01:13 J -42534883.54 -42534883.45 -42534883.36 0.3726 0.2008

Mercury -121162-05-18 18:01 J -42532859.86 -42532859.75 -42532859.65 0.3732 0.0301

Mercury -121159-02-16 01:41 J -42531855.52 -42531855.43 -42531855.34 0.3656 0.2871

Mercury -121157-12-01 10:34 J -42530836.16 -42530836.06 -42530835.97 0.3737 0.1439

Mercury -121154-09-02 07:41 J -42529831.33 -42529831.18 -42529831.04 0.3648 0.1204

Mercury -121151-06-17 02:53 J -42528812.43 -42528812.38 -42528812.32 0.3743 0.3134

Mercury -121117-11-23 06:15 J -42516234.29 -42516234.24 -42516234.18 0.3722 0.3101

Mercury -121111-06-08 23:03 J -42514210.64 -42514210.54 -42514210.44 0.3727 0.1363

Mercury -121106-12-23 15:37 J -42512186.96 -42512186.85 -42512186.75 0.3733 0.0357

Mercury -121103-09-23 02:53 J -42511182.52 -42511182.38 -42511182.25 0.3654 0.1496

Mercury -121100-07-08 08:10 J -42510163.25 -42510163.16 -42510163.08 0.3739 0.2061

Mercury -121097-04-08 08:53 J -42509158.23 -42509158.13 -42509158.03 0.3646 0.2619

Mercury -121060-06-30 04:05 J -42495561.41 -42495561.33 -42495561.25 0.3723 0.2455

Mercury -121054-01-13 20:39 J -42493537.74 -42493537.64 -42493537.53 0.3729 0.0728

Mercury -121049-07-29 13:13 J -42491514.05 -42491513.95 -42491513.84 0.3735 0.1000

Mercury -121046-04-30 04:05 J -42490509.48 -42490509.33 -42490509.19 0.3652 0.0141

Mercury -121043-02-12 05:46 J -42489490.33 -42489490.26 -42489490.19 0.3740 0.2689

Mercury -121009-07-21 09:08 J -42476912.15 -42476912.12 -42476912.09 0.3719 0.3545

Mercury -121003-02-04 01:41 J -42474888.52 -42474888.43 -42474888.33 0.3724 0.1812

121ST MILLENNIUM BCE

This is a list of transits visible from Venus in the 121st millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-120998-08-20 18:29 J	-42472864.84	-42472864.73	-42472864.63	0.3730	0.0120		
Mercury	-120995-05-20 23:17 J	-42471860.62	-42471860.53	-42471860.43	0.3658	0.2779		
Mercury	-120992-03-05 11:03 J	-42470841.14	-42470841.04	-42470840.95	0.3736	0.1625		
Mercury	-120990-12-05 05:17 J	-42469836.42	-42469836.28	-42469836.14	0.3650	0.1288		
Mercury	-120987-09-19 03:37 J	-42468817.40	-42468817.35	-42468817.31	0.3742	0.3319		
Mercury	-120952-02-25 06:44 J	-42456239.28	-42456239.22	-42456239.15	0.3720	0.2894		
Mercury	-120947-09-10 23:32 J	-42454215.62	-42454215.52	-42454215.42	0.3726	0.1159		
Mercury	-120941-03-26 16:05 J	-42452191.93	-42452191.83	-42452191.72	0.3732	0.0571		
Mercury	-120939-12-26 00:29 J	-42451187.61	-42451187.48	-42451187.34	0.3656	0.1405		
Mercury	-120936-10-10 08:39 J	-42450168.22	-42450168.14	-42450168.05	0.3738	0.2259		
Mercury	-120933-07-11 06:29 J	-42449163.33	-42449163.23	-42449163.13	0.3648	0.2692		

Mercury -120896-10-02 04:34 J -42435566.39 -42435566.31 -42435566.22 0.3722 0.2243

Mercury -120890-04-17 21:22 J -42433542.72 -42433542.61 -42433542.51 0.3728 0.0535

Mercury -120885-10-31 13:56 J -42431519.02 -42431518.92 -42431518.82 0.3734 0.1191

Mercury -120882-08-02 01:41 J -42430514.57 -42430514.43 -42430514.28 0.3654 0.0111

Mercury -120879-05-17 06:29 J -42429495.30 -42429495.23 -42429495.17 0.3739 0.2883

Mercury -120845-10-23 09:37 J -42416917.14 -42416917.10 -42416917.06 0.3718 0.3332

Mercury -120839-05-09 02:25 J -42414893.50 -42414893.40 -42414893.31 0.3723 0.1605

Mercury -120834-11-22 18:58 J -42412869.82 -42412869.71 -42412869.61 0.3729 0.0117

Mercury -120831-08-22 21:08 J -42411865.71 -42411865.62 -42411865.52 0.3659 0.2663

Mercury -120828-06-07 11:32 J -42410846.11 -42410846.02 -42410845.93 0.3735 0.1814

Mercury -120825-03-08 02:53 J -42409841.51 -42409841.38 -42409841.24 0.3651 0.1384

Mercury -120823-12-22 04:05 J -42408822.37 -42408822.33 -42408822.30 0.3741 0.3496

Mercury -120788-05-30 07:27 J -42396244.27 -42396244.19 -42396244.12 0.3719 0.2690

Mercury -120783-12-14 00:01 J -42394220.60 -42394220.50 -42394220.40 0.3725 0.0968

Mercury -120777-06-28 16:34 J -42392196.91 -42392196.81 -42392196.70 0.3731 0.0754

Mercury -120774-03-29 22:20 J -42391192.70 -42391192.57 -42391192.43 0.3657 0.1289

Mercury -120771-01-12 09:08 J -42390173.19 -42390173.12 -42390173.04 0.3736 0.2438

Mercury -120769-10-13 04:20 J -42389168.42 -42389168.32 -42389168.23 0.3649 0.2781

Mercury -120731-01-04 05:03 J -42375571.38 -42375571.29 -42375571.20 0.3721 0.2045

Mercury -120726-07-20 21:51 J -42373547.70 -42373547.59 -42373547.49 0.3727 0.0349

Mercury -120720-02-02 14:25 J -42371524.00 -42371523.90 -42371523.80 0.3732 0.1376

Mercury -120718-11-03 23:32 J -42370519.67 -42370519.52 -42370519.37 0.3655 0.0115

Mercury -120715-08-19 06:58 J -42369500.27 -42369500.21 -42369500.15 0.3738 0.3065

Mercury -120680-01-25 10:05 J -42356922.13 -42356922.08 -42356922.02 0.3716 0.3127

Mercury -120675-08-11 02:53 J -42354898.48 -42354898.38 -42354898.28 0.3722 0.1403

Mercury -120669-02-24 19:27 J -42352874.79 -42352874.69 -42352874.58 0.3728 0.0322

Mercury -120667-11-24 19:13 J -42351870.81 -42351870.70 -42351870.60 0.3661 0.2537

Mercury -120664-09-09 12:01 J -42350851.08 -42350851.00 -42350850.91 0.3734 0.2009

Mercury -120661-06-10 00:44 J -42349846.61 -42349846.47 -42349846.34 0.3653 0.1452

Mercury -120658-03-26 04:34 J -42348827.32 -42348827.31 -42348827.29 0.3739 0.3688

Mercury -120624-09-01 07:56 J -42336249.25 -42336249.17 -42336249.09 0.3718 0.2482

Mercury -120618-03-18 00:29 J -42334225.58 -42334225.48 -42334225.37 0.3724 0.0776

Mercury -120613-09-30 17:17 J -42332201.88 -42332201.78 -42332201.68 0.3730 0.0945

Mercury -120610-07-01 20:10 J -42331197.80 -42331197.66 -42331197.52 0.3659 0.1199

Mercury -120607-04-16 09:51 J -42330178.16 -42330178.09 -42330178.02 0.3735 0.2630

Mercury -120604-01-15 01:41 J -42329173.52 -42329173.43 -42329173.33 0.3651 0.2834

Mercury -120573-09-22 12:44 J -42317599.99 -42317599.97 -42317599.94 0.3714 0.3571

Mercury -120567-04-08 05:32 J -42315576.36 -42315576.27 -42315576.17 0.3719 0.1843

Mercury -120562-10-22 22:20 J -42313552.68 -42313552.57 -42313552.46 0.3725 0.0128

Mercury -120556-05-07 14:53 J -42311528.97 -42311528.88 -42311528.78 0.3731 0.1570

Mercury -120553-02-05 21:08 J -42310524.76 -42310524.62 -42310524.47 0.3657 0.0179

Mercury -120551-11-21 07:27 J -42309505.24 -42309505.19 -42309505.14 0.3737 0.3245

Mercury -120516-04-29 10:34 J -42296927.12 -42296927.06 -42296926.99 0.3715 0.2921

Mercury -120511-11-13 03:22 J -42294903.46 -42294903.36 -42294903.26 0.3721 0.1206

Mercury -120505-05-28 19:56 J -42292879.77 -42292879.67 -42292879.56 0.3727 0.0527

Mercury -120502-02-26 16:49 J -42291875.90 -42291875.80 -42291875.69 0.3662 0.2429

Mercury -120500-12-12 12:44 J -42290856.06 -42290855.97 -42290855.89 0.3733 0.2193

Mercury -120497-09-11 22:20 J -42289851.70 -42289851.57 -42289851.43 0.3655 0.1546

Mercury -120460-12-04 08:25 J -42276254.24 -42276254.15 -42276254.07 0.3717 0.2283

Mercury -120454-06-20 01:13 J -42274230.56 -42274230.45 -42274230.35 0.3723 0.0590

Mercury -120448-01-02 17:46 J -42272206.86 -42272206.76 -42272206.66 0.3728 0.1131

Mercury -120446-10-03 18:01 J -42271202.89 -42271202.75 -42271202.61 0.3660 0.1085

Mercury -120443-07-19 10:20 J -42270183.14 -42270183.07 -42270183.00 0.3734 0.2810

Mercury -120440-04-18 23:32 J -42269178.60 -42269178.52 -42269178.43 0.3653 0.2931

Mercury -120409-12-25 13:13 J -42257604.99 -42257604.95 -42257604.90 0.3712 0.3369

Mercury -120403-07-11 06:01 J -42255581.34 -42255581.25 -42255581.15 0.3718 0.1650

Mercury -120397-01-24 22:49 J -42253557.66 -42253557.55 -42253557.44 0.3724 0.0067

Mercury -120395-10-24 13:56 J -42252553.94 -42252553.92 -42252553.91 0.3666 0.3633

Mercury -120392-08-09 15:22 J -42251533.95 -42251533.86 -42251533.76 0.3730 0.1761

Mercury -120389-05-09 18:58 J -42250529.85 -42250529.71 -42250529.56 0.3658 0.0277

Mercury -120386-02-23 07:56 J -42249510.20 -42249510.17 -42249510.13 0.3736 0.3432

Mercury -120352-08-01 11:03 J -42236932.11 -42236932.04 -42236931.97 0.3714 0.2722

Mercury -120346-02-15 03:51 J -42234908.44 -42234908.34 -42234908.24 0.3720 0.1006

Mercury -120341-08-30 20:39 J -42232884.75 -42232884.64 -42232884.54 0.3726 0.0710

Mercury -120338-05-31 14:39 J -42231881.00 -42231880.89 -42231880.78 0.3664 0.2342

Mercury -120335-03-16 13:13 J -42230861.03 -42230860.95 -42230860.87 0.3731 0.2379

Mercury -120333-12-14 20:10 J -42229856.79 -42229856.66 -42229856.53 0.3656 0.1625

Mercury -120295-03-08 08:53 J -42216259.22 -42216259.13 -42216259.04 0.3716 0.2078

Mercury -120290-09-22 01:41 J -42214235.54 -42214235.43 -42214235.33 0.3721 0.0377

Mercury -120284-04-06 18:15 J -42212211.84 -42212211.74 -42212211.64 0.3727 0.1325

Mercury -120281-01-05 15:37 J -42211207.99 -42211207.85 -42211207.71 0.3662 0.1005

Mercury -120279-10-21 10:49 J -42210188.11 -42210188.05 -42210187.99 0.3733 0.3000

Mercury -120276-07-21 21:22 J -42209183.69 -42209183.61 -42209183.53 0.3654 0.2997

Mercury -120244-03-29 13:56 J -42197609.98 -42197609.92 -42197609.87 0.3711 0.3155

Mercury -120239-10-13 06:44 J -42195586.32 -42195586.22 -42195586.13 0.3717 0.1441

Mercury -120233-04-27 23:17 J -42193562.63 -42193562.53 -42193562.42 0.3723 0.0292

Mercury -120230-01-26 11:32 J -42192559.05 -42192559.02 -42192558.98 0.3667 0.3538

Mercury -120228-11-11 16:05 J -42191538.92 -42191538.83 -42191538.74 0.3729 0.1950

Mercury -120225-08-11 16:49 J -42190534.94 -42190534.80 -42190534.65 0.3660 0.0372

Mercury -120222-05-28 08:39 J -42189515.16 -42189515.14 -42189515.12 0.3735 0.3615

Mercury -120188-11-03 11:32 J -42176937.09 -42176937.02 -42176936.94 0.3713 0.2518

Mercury -120182-05-20 04:20 J -42174913.42 -42174913.32 -42174913.21 0.3719 0.0810

Mercury -120177-12-02 21:08 J -42172889.73 -42172889.62 -42172889.52 0.3725 0.0888

Mercury -120174-09-02 12:29 J -42171886.09 -42171885.98 -42171885.86 0.3666 0.2220

Mercury -120171-06-18 13:41 J -42170866.00 -42170865.93 -42170865.85 0.3730 0.2564

Mercury -120168-03-18 18:01 J -42169861.88 -42169861.75 -42169861.62 0.3658 0.1726

Mercury -120137-11-24 16:34 J -42158287.83 -42158287.81 -42158287.79 0.3709 0.3600

Mercury -120131-06-10 09:22 J -42156264.20 -42156264.11 -42156264.02 0.3715 0.1878

Mercury -120126-12-25 02:10 J -42154240.52 -42154240.41 -42154240.31 0.3720 0.0189

Mercury -120120-07-09 18:44 J -42152216.81 -42152216.72 -42152216.62 0.3726 0.1509

Mercury -120117-04-08 13:41 J -42151213.07 -42151212.93 -42151212.79 0.3664 0.0878

Mercury -120114-01-23 11:17 J -42150193.08 -42150193.03 -42150192.97 0.3732 0.3179

Mercury -120112-10-23 19:13 J -42149188.78 -42149188.70 -42149188.63 0.3656 0.3082

Mercury -120080-07-01 14:25 J -42137614.97 -42137614.90 -42137614.84 0.3710 0.2963

Mercury -120074-01-15 07:13 J -42135591.30 -42135591.20 -42135591.10 0.3716 0.1251

Mercury -120069-07-30 23:46 J -42133567.61 -42133567.51 -42133567.40 0.3722 0.0468

Mercury -120066-04-30 09:22 J -42132564.16 -42132564.11 -42132564.06 0.3669 0.3417

Mercury -120063-02-13 16:34 J -42131543.90 -42131543.81 -42131543.73 0.3728 0.2130

Mercury -120061-11-13 14:39 J -42130540.03 -42130539.89 -42130539.74 0.3661 0.0464

Mercury -120023-02-05 12:01 J -42116942.08 -42116942.00 -42116941.91 0.3712 0.2321

Mercury -120018-08-22 04:49 J -42114918.40 -42114918.30 -42114918.19 0.3718 0.0624

Mercury -120012-03-06 21:37 J -42112894.70 -42112894.60 -42112894.50 0.3723 0.1077

Mercury -120010-12-05 10:34 J -42111891.18 -42111891.06 -42111890.94 0.3667 0.2097

Mercury -120007-09-20 14:10 J -42110870.98 -42110870.91 -42110870.84 0.3729 0.2752

Mercury -120004-06-20 15:37 J -42109866.97 -42109866.85 -42109866.72 0.3659 0.1785

120TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 120th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
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Mercury -119972-02-26 17:03 J -42098292.83 -42098292.79 -42098292.75 0.3708 0.3390

Mercury -119967-09-12 09:51 J -42096269.18 -42096269.09 -42096268.99 0.3713 0.1675

Mercury -119961-03-28 02:39 J -42094245.49 -42094245.39 -42094245.28 0.3719 0.0051

Mercury -119956-10-11 19:27 J -42092221.79 -42092221.69 -42092221.60 0.3725 0.1708

Mercury -119953-07-11 11:32 J -42091218.17 -42091218.02 -42091217.88 0.3665 0.0788

Mercury -119950-04-27 12:01 J -42090198.04 -42090198.00 -42090197.96 0.3731 0.3364

Mercury -119947-01-25 16:49 J -42089193.88 -42089193.80 -42089193.73 0.3657 0.3131

Mercury -119916-10-03 14:53 J -42077619.95 -42077619.88 -42077619.81 0.3709 0.2750

Mercury -119910-04-19 07:41 J -42075596.28 -42075596.18 -42075596.08 0.3715 0.1039

Mercury -119905-11-02 00:29 J -42073572.59 -42073572.48 -42073572.38 0.3721 0.0656

Mercury -119902-08-02 07:27 J -42072569.25 -42072569.19 -42072569.13 0.3671 0.3287

Mercury -119899-05-18 17:03 J -42071548.87 -42071548.79 -42071548.71 0.3727 0.2321

Mercury -119896-02-15 12:29 J -42070545.13 -42070544.98 -42070544.84 0.3663 0.0537

Mercury -119859-05-10 12:44 J -42056947.06 -42056946.97 -42056946.89 0.3711 0.2116

Mercury -119854-11-24 05:17 J -42054923.38 -42054923.28 -42054923.17 0.3717 0.0440

Mercury -119848-06-08 22:05 J -42052899.68 -42052899.58 -42052899.48 0.3722 0.1269

Mercury -119845-03-08 08:25 J -42051896.27 -42051896.15 -42051896.03 0.3668 0.1984

Mercury -119843-12-23 14:39 J -42050875.95 -42050875.89 -42050875.82 0.3728 0.2930

Mercury -119840-09-22 13:27 J -42049872.06 -42049871.94 -42049871.81 0.3661 0.1870

Mercury -119808-05-31 17:32 J -42038297.82 -42038297.77 -42038297.72 0.3707 0.3187

Mercury -119803-12-15 10:20 J -42036274.17 -42036274.07 -42036273.97 0.3712 0.1483

Mercury -119797-06-30 03:08 J -42034250.47 -42034250.37 -42034250.26 0.3718 0.0212

Mercury -119791-01-13 19:56 J -42032226.76 -42032226.67 -42032226.58 0.3724 0.1887

Mercury -119789-10-13 09:22 J -42031223.25 -42031223.11 -42031222.97 0.3666 0.0681

Mercury -119786-07-30 12:29 J -42030203.01 -42030202.98 -42030202.95 0.3730 0.3536

Mercury -119783-04-29 14:39 J -42029198.96 -42029198.89 -42029198.82 0.3659 0.3221

Mercury -119751-01-05 15:22 J -42017624.94 -42017624.86 -42017624.79 0.3708 0.2553

Mercury -119746-07-22 08:10 J -42015601.26 -42015601.16 -42015601.06 0.3714 0.0850

Mercury -119740-02-04 00:58 J -42013577.57 -42013577.46 -42013577.36 0.3720 0.0839

Mercury -119738-11-04 05:32 J -42012574.34 -42012574.27 -42012574.20 0.3672 0.3155

Mercury -119735-08-20 17:32 J -42011553.84 -42011553.77 -42011553.69 0.3725 0.2506

Mercury -119732-05-20 10:20 J -42010550.22 -42010550.07 -42010549.93 0.3665 0.0625

Mercury -119700-01-26 20:10 J -41998975.68 -41998975.66 -41998975.64 0.3704 0.3625

Mercury -119695-08-12 13:13 J -41996952.04 -41996951.95 -41996951.86 0.3710 0.1916

Mercury -119689-02-26 06:01 J -41994928.36 -41994928.25 -41994928.15 0.3715 0.0250

Mercury -119684-09-10 22:34 J -41992904.65 -41992904.56 -41992904.46 0.3721 0.1465

Mercury -119681-06-10 06:15 J -41991901.36 -41991901.24 -41991901.12 0.3670 0.1901

Mercury -119678-03-27 15:22 J -41990880.92 -41990880.86 -41990880.81 0.3727 0.3115

Mercury -119676-12-25 11:17 J -41989877.15 -41989877.03 -41989876.90 0.3663 0.1954

Mercury -119644-09-02 18:01 J -41978302.81 -41978302.75 -41978302.69 0.3705 0.2984

Mercury -119638-03-19 10:49 J -41976279.15 -41976279.05 -41976278.95 0.3711 0.1287

Mercury -119633-10-02 03:37 J -41974255.45 -41974255.35 -41974255.24 0.3717 0.0426

Mercury -119627-04-17 20:25 J -41972231.74 -41972231.65 -41972231.56 0.3723 0.2075

Mercury -119624-01-15 07:13 J -41971228.35 -41971228.20 -41971228.06 0.3668 0.0608

Mercury -119622-11-01 12:58 J -41970207.96 -41970207.96 -41970207.95 0.3729 0.3722

Mercury -119619-08-01 12:29 J -41969204.04 -41969203.98 -41969203.92 0.3660 0.3296

Mercury -119587-04-09 15:51 J -41957629.92 -41957629.84 -41957629.76 0.3707 0.2345

Mercury -119582-10-24 08:39 J -41955606.24 -41955606.14 -41955606.03 0.3713 0.0651

Mercury -119576-05-09 01:27 J -41953582.54 -41953582.44 -41953582.34 0.3719 0.1029

Mercury -119573-02-06 03:22 J -41952579.44 -41952579.36 -41952579.29 0.3673 0.3067

Mercury -119571-11-22 18:01 J -41951558.82 -41951558.75 -41951558.67 0.3724 0.2688

Mercury -119568-08-22 08:10 J -41950555.30 -41950555.16 -41950555.02 0.3666 0.0716

Mercury -119536-04-30 20:39 J -41938980.68 -41938980.64 -41938980.60 0.3703 0.3418

Mercury -119531-11-14 13:41 J -41936957.03 -41936956.93 -41936956.84 0.3709 0.1718

Mercury -119525-05-30 06:29 J -41934933.34 -41934933.23 -41934933.12 0.3714 0.0056

Mercury -119520-12-13 23:17 J -41932909.63 -41932909.53 -41932909.44 0.3720 0.1648

Mercury -119517-09-12 04:20 J -41931906.45 -41931906.32 -41931906.20 0.3671 0.1785

Mercury -119514-06-29 15:51 J -41930885.89 -41930885.84 -41930885.79 0.3726 0.3292

Mercury -119511-03-29 09:22 J -41929882.23 -41929882.11 -41929881.99 0.3664 0.2057

Mercury -119480-12-05 18:29 J -41918307.80 -41918307.73 -41918307.66 0.3704 0.2786

Mercury -119474-06-21 11:17 J -41916284.13 -41916284.03 -41916283.92 0.3710 0.1093

Mercury -119468-01-04 04:05 J -41914260.43 -41914260.33 -41914260.22 0.3716 0.0611

Mercury -119463-07-20 20:53 J -41912236.71 -41912236.63 -41912236.55 0.3722 0.2254

Mercury -119460-04-19 05:03 J -41911233.43 -41911233.29 -41911233.14 0.3670 0.0501

Mercury -119455-11-03 10:20 J -41909209.12 -41909209.07 -41909209.01 0.3662 0.3378

Mercury -119423-07-12 16:20 J -41897634.91 -41897634.82 -41897634.74 0.3706 0.2153

Mercury -119417-01-26 09:08 J -41895611.22 -41895611.12 -41895611.01 0.3712 0.0461

Mercury -119412-08-11 01:56 J -41893587.52 -41893587.42 -41893587.32 0.3717 0.1215

Mercury -119409-05-10 01:13 J -41892584.53 -41892584.45 -41892584.36 0.3675 0.2948

Mercury -119406-02-24 18:44 J -41891563.79 -41891563.72 -41891563.66 0.3723 0.2866

Mercury -119404-11-24 06:15 J -41890560.39 -41890560.24 -41890560.10 0.3668 0.0822

Mercury -119372-08-02 21:08 J -41878985.67 -41878985.62 -41878985.57 0.3702 0.3221

Mercury -119366-02-16 14:10 J -41876962.01 -41876961.91 -41876961.82 0.3707 0.1524

Mercury -119361-09-01 06:58 J -41874938.32 -41874938.21 -41874938.10 0.3713 0.0170

Mercury -119355-03-17 23:46 J -41872914.60 -41872914.51 -41872914.42 0.3719 0.1831

Mercury -119353-12-15 02:10 J -41871911.54 -41871911.41 -41871911.28 0.3673 0.1674

Mercury -119350-10-01 16:20 J -41870890.85 -41870890.82 -41870890.78 0.3725 0.3475

Mercury -119347-07-01 06:58 J -41869887.33 -41869887.21 -41869887.09 0.3665 0.2111

Mercury -119315-03-09 18:58 J -41858312.78 -41858312.71 -41858312.63 0.3703 0.2580

Mercury -119310-09-23 12:01 J -41856289.11 -41856289.00 -41856288.90 0.3709 0.0899

Mercury -119304-04-08 04:49 J -41854265.41 -41854265.30 -41854265.20 0.3715 0.0797

Mercury -119299-10-22 21:22 J -41852241.68 -41852241.61 -41852241.53 0.3721 0.2447

Mercury -119296-07-22 03:08 J -41851238.52 -41851238.37 -41851238.23 0.3671 0.0395

Mercury -119290-02-05 07:56 J -41849214.21 -41849214.17 -41849214.12 0.3663 0.3422

Mercury -119264-03-30 23:46 J -41839663.52 -41839663.51 -41839663.49 0.3699 0.3651

Mercury -119259-10-14 16:49 J -41837639.89 -41837639.80 -41837639.71 0.3705 0.1946

Mercury -119253-04-29 09:37 J -41835616.20 -41835616.10 -41835615.99 0.3711 0.0290

Mercury -119248-11-13 02:25 J -41833592.49 -41833592.40 -41833592.30 0.3717 0.1408

Mercury -119245-08-11 23:17 J -41832589.62 -41832589.53 -41832589.44 0.3677 0.2821

Mercury -119242-05-29 19:13 J -41831568.76 -41831568.70 -41831568.64 0.3722 0.3051

Mercury -119239-02-26 04:05 J -41830565.47 -41830565.33 -41830565.19 0.3669 0.0908

Mercury -119208-11-04 21:37 J -41818990.66 -41818990.60 -41818990.54 0.3701 0.3014

Mercury -119202-05-21 14:39 J -41816966.99 -41816966.89 -41816966.79 0.3706 0.1318

Mercury -119197-12-04 07:27 J -41814943.30 -41814943.19 -41814943.08 0.3712 0.0355

Mercury -119191-06-20 00:15 J -41812919.58 -41812919.49 -41812919.40 0.3718 0.2014

Mercury -119188-03-19 00:15 J -41811916.62 -41811916.49 -41811916.36 0.3674 0.1556

Mercury -119185-01-03 16:49 J -41810895.81 -41810895.80 -41810895.78 0.3724 0.3651

Mercury -119183-10-03 05:03 J -41809892.41 -41809892.29 -41809892.18 0.3667 0.2199

Mercury -119151-06-11 19:27 J -41798317.77 -41798317.69 -41798317.61 0.3702 0.2382

Mercury -119146-12-26 12:29 J -41796294.09 -41796293.98 -41796293.88 0.3708 0.0717

Mercury -119140-07-11 05:17 J -41794270.39 -41794270.28 -41794270.18 0.3714 0.0977

Mercury -119134-01-24 21:51 J -41792246.66 -41792246.59 -41792246.51 0.3719 0.2622

Mercury -119132-10-24 01:13 J -41791243.60 -41791243.45 -41791243.31 0.3672 0.0306

Mercury -119126-05-10 06:01 J -41789219.29 -41789219.25 -41789219.21 0.3665 0.3500

Mercury -119100-07-03 00:15 J -41779668.53 -41779668.49 -41779668.45 0.3698 0.3456

Mercury -119094-01-16 17:17 J -41777644.88 -41777644.78 -41777644.69 0.3704 0.1754

Mercury -119089-08-01 10:05 J -41775621.18 -41775621.08 -41775620.97 0.3710 0.0120

Mercury -119083-02-15 02:53 J -41773597.47 -41773597.38 -41773597.28 0.3715 0.1589

Mercury -119081-11-13 21:22 J -41772594.70 -41772594.61 -41772594.51 0.3678 0.2702

Mercury -119078-08-31 19:41 J -41771573.73 -41771573.68 -41771573.63 0.3721 0.3229

Mercury -119075-05-31 01:56 J -41770570.56 -41770570.42 -41770570.28 0.3671 0.0976

Mercury -119043-02-06 22:05 J -41758995.65 -41758995.58 -41758995.51 0.3700 0.2815

Mercury -119038-08-23 15:08 J -41756971.97 -41756971.87 -41756971.77 0.3705 0.1124

Mercury -119032-03-08 07:56 J -41754948.27 -41754948.17 -41754948.06 0.3711 0.0550

Mercury -119027-09-22 00:44 J -41752924.55 -41752924.47 -41752924.38 0.3717 0.2199

Mercury -119024-06-20 22:05 J -41751921.71 -41751921.58 -41751921.45 0.3676 0.1469

Mercury -119018-01-05 02:53 J -41749897.49 -41749897.38 -41749897.27 0.3668 0.2271

119TH MILLENNIUM

BCE

This is a list of transits visible from Venus in the 119th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-118987-09-13 19:56 J	-41738322.75	-41738322.67	-41738322.58	0.3701	0.2180		
Mercury	-118981-03-29 12:58 J	-41736299.07	-41736298.96	-41736298.86	0.3707	0.0502		
Mercury	-118976-10-13 05:46 J	-41734275.36	-41734275.26	-41734275.16	0.3713	0.1165		
Mercury	-118970-04-28 22:34 J	-41732251.63	-41732251.56	-41732251.49	0.3718	0.2808		
Mercury	-118967-01-25 23:03 J	-41731248.69	-41731248.54	-41731248.40	0.3674	0.0234		
Mercury	-118962-08-12 03:51 J	-41729224.37	-41729224.34	-41729224.31	0.3666	0.3575		
Mercury	-118936-10-05 00:44 J	-41719673.52	-41719673.47	-41719673.42	0.3697	0.3246		
Mercury	-118930-04-20 17:46 J	-41717649.86	-41717649.76	-41717649.66	0.3703	0.1551		
Mercury	-118925-11-03 10:34 J	-41715626.16	-41715626.06	-41715625.95	0.3709	0.0200		
Mercury	-118919-05-20 03:37 J	-41713602.45	-41713602.35	-41713602.26	0.3714	0.1779		
Mercury	-118916-02-15 19:27 J	-41712599.79	-41712599.69	-41712599.59	0.3679	0.2603		
Mercury	-118914-12-03 20:10 J	-41711578.70	-41711578.66	-41711578.62	0.3720	0.3405		
Mercury	-118911-09-01 23:46 J	-41710575.64	-41710575.51	-41710575.37	0.3672	0.1073		
Mercury	-118879-05-11 22:34 J	-41699000.63	-41699000.56	-41699000.48	0.3699	0.2613		
Mercury	-118874-11-25 15:37 J	-41696976.96	-41696976.85	-41696976.75	0.3704	0.0937		
Mercury	-118868-06-10 08:25 J	-41694953.25	-41694953.15	-41694953.04	0.3710	0.0739		
Mercury	-118863-12-25 01:13 J	-41692929.53	-41692929.45	-41692929.37	0.3716	0.2375		
Mercury	-118860-09-22 20:10 J	-41691926.79	-41691926.66	-41691926.53	0.3677	0.1353		
Mercury	-118854-04-09 00:58 J	-41689902.57	-41689902.46	-41689902.35	0.3670	0.2366		

Mercury -118828-06-02 03:22 J -41680351.36 -41680351.36 -41680351.36 0.3695 0.3681

Mercury -118823-12-16 20:25 J -41678327.74 -41678327.65 -41678327.56 0.3700 0.1988

Mercury -118817-07-01 13:27 J -41676304.05 -41676303.94 -41676303.84 0.3706 0.0332

Mercury -118811-01-15 06:15 J -41674280.34 -41674280.24 -41674280.14 0.3711 0.1347

Mercury -118806-07-31 23:03 J -41672256.60 -41672256.54 -41672256.48 0.3717 0.2981

Mercury -118803-04-29 20:53 J -41671253.77 -41671253.63 -41671253.48 0.3676 0.0156

Mercury -118798-11-14 01:56 J -41669229.43 -41669229.42 -41669229.42 0.3668 0.3655

Mercury -118771-01-07 01:13 J -41659678.51 -41659678.45 -41659678.39 0.3696 0.3048

Mercury -118766-07-23 18:15 J -41657654.84 -41657654.74 -41657654.64 0.3702 0.1364

Mercury -118760-02-05 11:03 J -41655631.14 -41655631.04 -41655630.93 0.3707 0.0347

Mercury -118755-08-22 04:05 J -41653607.42 -41653607.33 -41653607.24 0.3713 0.1959

Mercury -118752-05-20 17:32 J -41652604.88 -41652604.77 -41652604.67 0.3681 0.2485

Mercury -118749-03-06 20:53 J -41651583.66 -41651583.63 -41651583.61 0.3719 0.3585

Mercury -118747-12-04 21:51 J -41650580.72 -41650580.59 -41650580.45 0.3674 0.1170

Mercury -118715-08-13 23:03 J -41639005.62 -41639005.54 -41639005.46 0.3697 0.2416

Mercury -118709-02-27 16:05 J -41636981.94 -41636981.83 -41636981.73 0.3703 0.0740

Mercury -118704-09-12 08:53 J -41634958.23 -41634958.13 -41634958.02 0.3709 0.0929

Mercury -118698-03-29 01:41 J -41632934.50 -41632934.43 -41632934.35 0.3715 0.2567

Mercury -118696-12-25 18:15 J -41631931.88 -41631931.74 -41631931.61 0.3679 0.1252

Mercury -118690-07-11 22:49 J -41629907.66 -41629907.55 -41629907.45 0.3671 0.2426

Mercury -118664-09-04 03:51 J -41620356.37 -41620356.34 -41620356.31 0.3693 0.3478

Mercury -118658-03-20 20:53 J -41618332.72 -41618332.63 -41618332.54 0.3699 0.1788

Mercury -118653-10-03 13:56 J -41616309.03 -41616308.92 -41616308.81 0.3705 0.0129

Mercury -118647-04-19 06:44 J -41614285.32 -41614285.22 -41614285.12 0.3710 0.1537

Mercury -118644-01-15 14:39 J -41613282.91 -41613282.89 -41613282.86 0.3685 0.3597

Mercury -118642-11-02 23:32 J -41612261.57 -41612261.52 -41612261.47 0.3716 0.3163

Mercury -118639-08-01 18:58 J -41611258.85 -41611258.71 -41611258.56 0.3677 0.0045

Mercury -118607-04-11 01:41 J -41599683.50 -41599683.43 -41599683.36 0.3695 0.2844

Mercury -118602-10-25 18:44 J -41597659.82 -41597659.72 -41597659.62 0.3701 0.1163

Mercury -118596-05-10 11:46 J -41595636.12 -41595636.01 -41595635.91 0.3706 0.0513

Mercury -118591-11-24 04:34 J -41593612.40 -41593612.31 -41593612.23 0.3712 0.2140

Mercury -118588-08-22 15:37 J -41592609.96 -41592609.85 -41592609.74 0.3682 0.2364

Mercury -118582-03-08 19:56 J -41590585.81 -41590585.67 -41590585.54 0.3675 0.1254

Mercury -118551-11-15 23:32 J -41579010.61 -41579010.52 -41579010.43 0.3697 0.2218

Mercury -118545-05-31 16:34 J -41576986.92 -41576986.81 -41576986.70 0.3702 0.0541

Mercury -118540-12-15 09:22 J -41574963.21 -41574963.11 -41574963.01 0.3708 0.1109

Mercury -118534-07-01 02:24 J -41572939.48 -41572939.40 -41572939.33 0.3714 0.2745

Mercury -118531-03-29 16:20 J -41571936.95 -41571936.82 -41571936.68 0.3680 0.1131

Mercury -118526-10-13 20:39 J -41569912.74 -41569912.64 -41569912.53 0.3673 0.2518

Mercury -118500-12-07 04:20 J -41560361.37 -41560361.32 -41560361.28 0.3692 0.3284

Mercury -118494-06-22 21:22 J -41558337.71 -41558337.61 -41558337.51 0.3698 0.1595

Mercury -118488-01-05 14:24 J -41556314.01 -41556313.90 -41556313.80 0.3704 0.0110

Mercury -118483-07-22 07:12 J -41554290.29 -41554290.20 -41554290.10 0.3710 0.1712

Mercury -118480-04-19 12:58 J -41553288.01 -41553287.96 -41553287.91 0.3686 0.3451

Mercury -118477-02-05 00:00 J -41552266.54 -41552266.50 -41552266.45 0.3715 0.3336

Mercury -118475-11-03 17:03 J -41551263.93 -41551263.79 -41551263.64 0.3678 0.0116

Mercury -118443-07-14 02:10 J -41539688.49 -41539688.41 -41539688.34 0.3694 0.2656

Mercury -118437-01-27 19:12 J -41537664.81 -41537664.70 -41537664.60 0.3700 0.0975

Mercury -118432-08-12 12:15 J -41535641.10 -41535640.99 -41535640.89 0.3705 0.0697

Mercury -118426-02-26 05:03 J -41533617.37 -41533617.29 -41533617.21 0.3711 0.2318

Mercury -118424-11-24 13:41 J -41532615.04 -41532614.93 -41532614.82 0.3684 0.2248

Mercury -118418-06-10 17:46 J -41530590.89 -41530590.76 -41530590.63 0.3676 0.1315

Mercury -118386-02-18 00:00 J -41519015.59 -41519015.50 -41519015.41 0.3695 0.2026

Mercury -118381-09-02 17:03 J -41516991.90 -41516991.79 -41516991.68 0.3701 0.0353

Mercury -118375-03-19 09:51 J -41514968.19 -41514968.09 -41514967.99 0.3707 0.1302

Mercury -118370-10-03 02:53 J -41512944.45 -41512944.38 -41512944.32 0.3712 0.2921

Mercury -118367-07-01 14:10 J -41511942.04 -41511941.91 -41511941.77 0.3682 0.1056

Mercury -118361-01-15 18:44 J -41509917.82 -41509917.72 -41509917.62 0.3674 0.2579

Mercury -118335-03-11 04:48 J -41500366.36 -41500366.30 -41500366.25 0.3691 0.3082

Mercury -118330-09-24 21:51 J -41498342.69 -41498342.59 -41498342.49 0.3697 0.1396

Mercury -118324-04-09 14:53 J -41496318.99 -41496318.88 -41496318.77 0.3703 0.0268
 Mercury -118319-10-24 07:41 J -41494295.27 -41494295.18 -41494295.09 0.3708 0.1906
 Mercury -118316-07-22 11:03 J -41493293.10 -41493293.04 -41493292.98 0.3687 0.3334
 Mercury -118313-05-09 00:29 J -41492271.51 -41492271.48 -41492271.44 0.3714 0.3520
 Mercury -118310-02-05 15:08 J -41491269.02 -41491268.87 -41491268.73 0.3680 0.0206
 Mercury -118279-10-16 02:39 J -41479693.47 -41479693.39 -41479693.31 0.3693 0.2450
 Mercury -118273-04-30 19:41 J -41477669.78 -41477669.68 -41477669.57 0.3699 0.0775
 Mercury -118268-11-14 12:44 J -41475646.08 -41475645.97 -41475645.87 0.3704 0.0877
 Mercury -118262-05-31 05:32 J -41473622.35 -41473622.27 -41473622.19 0.3710 0.2503
 Mercury -118259-02-26 11:46 J -41472620.12 -41472620.01 -41472619.90 0.3685 0.2139
 Mercury -118254-09-12 15:51 J -41470595.97 -41470595.84 -41470595.71 0.3678 0.1418
 Mercury -118228-11-06 07:12 J -41461044.23 -41461044.20 -41461044.17 0.3689 0.3513
 Mercury -118222-05-23 00:29 J -41459020.57 -41459020.48 -41459020.39 0.3695 0.1826
 Mercury -118217-12-05 17:32 J -41456996.88 -41456996.77 -41456996.66 0.3700 0.0182
 Mercury -118211-06-21 10:20 J -41454973.16 -41454973.07 -41454972.97 0.3706 0.1485
 Mercury -118205-01-05 03:22 J -41452949.42 -41452949.36 -41452949.31 0.3711 0.3093
 Mercury -118203-10-03 12:29 J -41451947.12 -41451946.98 -41451946.85 0.3683 0.0941
 Mercury -118197-04-18 16:48 J -41449922.90 -41449922.80 -41449922.71 0.3676 0.2669
 Mercury -118171-06-13 05:03 J -41440371.35 -41440371.29 -41440371.22 0.3690 0.2887
 Mercury -118166-12-27 22:20 J -41438347.67 -41438347.57 -41438347.47 0.3696 0.1211
 Mercury -118160-07-12 15:22 J -41436323.97 -41436323.86 -41436323.76 0.3702 0.0454
 Mercury -118154-01-26 08:10 J -41434300.24 -41434300.16 -41434300.07 0.3707 0.2080
 Mercury -118152-10-24 09:22 J -41433298.18 -41433298.11 -41433298.05 0.3689 0.3211
 Mercury -118149-08-11 00:58 J -41432276.46 -41432276.46 -41432276.45 0.3713 0.3686
 Mercury -118146-05-10 13:12 J -41431274.09 -41431273.95 -41431273.81 0.3681 0.0283
 Mercury -118114-01-18 03:08 J -41419698.46 -41419698.37 -41419698.29 0.3692 0.2262
 Mercury -118109-08-02 20:10 J -41417674.77 -41417674.66 -41417674.56 0.3698 0.0595
 Mercury -118103-02-16 13:12 J -41415651.06 -41415650.95 -41415650.85 0.3703 0.1059
 Mercury -118098-09-02 06:00 J -41413627.32 -41413627.25 -41413627.18 0.3709 0.2679
 Mercury -118095-05-31 09:51 J -41412625.21 -41412625.09 -41412624.97 0.3687 0.2038

Mercury -118090-12-15 13:56 J -41410601.05 -41410600.92 -41410600.79 0.3679 0.1510

Mercury -118063-02-08 07:41 J -41401049.22 -41401049.18 -41401049.13 0.3688 0.3314

Mercury -118058-08-25 00:58 J -41399025.56 -41399025.46 -41399025.37 0.3693 0.1632

Mercury -118052-03-09 18:00 J -41397001.86 -41397001.75 -41397001.64 0.3699 0.0046

Mercury -118047-09-23 11:03 J -41394978.14 -41394978.04 -41394977.95 0.3705 0.1666

Mercury -118041-04-08 03:51 J -41392954.39 -41392954.34 -41392954.29 0.3710 0.3274

Mercury -118038-01-05 10:34 J -41391952.20 -41391952.06 -41391951.92 0.3685 0.0840

Mercury -118033-07-21 14:39 J -41389927.98 -41389927.89 -41389927.79 0.3677 0.2736

Mercury -118007-09-15 05:32 J -41380376.34 -41380376.27 -41380376.19 0.3689 0.2687

Mercury -118001-03-30 22:48 J -41378352.65 -41378352.55 -41378352.45 0.3695 0.1010

118TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 118th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-117996-10-14 15:51 J	-41376328.95	-41376328.84	-41376328.73	0.3701	0.0636		
Mercury	-117990-04-30 08:53 J	-41374305.22	-41374305.13	-41374305.05	0.3706	0.2268		
Mercury	-117987-01-26 07:27 J	-41373303.27	-41373303.19	-41373303.12	0.3690	0.3109		
Mercury	-117982-08-12 11:17 J	-41371279.17	-41371279.03	-41371278.89	0.3683	0.0378		
Mercury	-117950-04-22 03:36 J	-41359703.44	-41359703.35	-41359703.26	0.3691	0.2061		
Mercury	-117945-11-04 20:39 J	-41357679.75	-41357679.64	-41357679.53	0.3697	0.0401		

Mercury -117939-05-21 13:41 J -41355656.03 -41355655.93 -41355655.83 0.3702 0.1243

Mercury -117934-12-05 06:29 J -41353632.29 -41353632.23 -41353632.16 0.3708 0.2852

Mercury -117931-09-02 07:56 J -41352630.29 -41352630.17 -41352630.05 0.3688 0.1927

Mercury -117925-03-18 12:00 J -41350606.13 -41350606.00 -41350605.87 0.3680 0.1593

Mercury -117899-05-13 08:10 J -41341054.22 -41341054.16 -41341054.10 0.3687 0.3112

Mercury -117894-11-27 01:27 J -41339030.54 -41339030.44 -41339030.34 0.3693 0.1447

Mercury -117888-06-11 18:29 J -41337006.84 -41337006.73 -41337006.62 0.3698 0.0215

Mercury -117883-12-26 11:32 J -41334983.12 -41334983.02 -41334982.93 0.3704 0.1842

Mercury -117877-07-11 04:20 J -41332959.36 -41332959.32 -41332959.28 0.3710 0.3441

Mercury -117874-04-09 08:53 J -41331957.27 -41331957.13 -41331957.00 0.3686 0.0727

Mercury -117869-10-23 12:44 J -41329933.06 -41329932.97 -41329932.88 0.3678 0.2819

Mercury -117843-12-18 06:00 J -41320381.33 -41320381.25 -41320381.17 0.3688 0.2494

Mercury -117837-07-02 23:17 J -41318357.64 -41318357.53 -41318357.43 0.3694 0.0831

Mercury -117831-01-16 16:20 J -41316333.93 -41316333.82 -41316333.72 0.3700 0.0821

Mercury -117826-08-02 09:08 J -41314310.20 -41314310.12 -41314310.04 0.3705 0.2438

Mercury -117823-04-30 05:46 J -41313308.35 -41313308.26 -41313308.18 0.3692 0.2975

Mercury -117818-11-14 09:22 J -41311284.25 -41311284.11 -41311283.97 0.3684 0.0484

Mercury -117791-01-08 10:34 J -41301732.08 -41301732.06 -41301732.03 0.3684 0.3551

Mercury -117786-07-25 03:51 J -41299708.43 -41299708.34 -41299708.24 0.3690 0.1873

Mercury -117780-02-06 21:08 J -41297684.73 -41297684.62 -41297684.51 0.3695 0.0233

Mercury -117775-08-23 14:10 J -41295661.01 -41295660.91 -41295660.81 0.3701 0.1423

Mercury -117769-03-08 06:58 J -41293637.27 -41293637.21 -41293637.15 0.3707 0.3029

Mercury -117767-12-05 06:15 J -41292635.36 -41292635.24 -41292635.12 0.3690 0.1801

Mercury -117761-06-20 10:05 J -41290611.21 -41290611.08 -41290610.96 0.3682 0.1657

Mercury -117735-08-15 08:39 J -41281059.21 -41281059.14 -41281059.08 0.3686 0.2920

Mercury -117729-02-29 01:56 J -41279035.53 -41279035.42 -41279035.32 0.3691 0.1260

Mercury -117724-09-13 18:58 J -41277011.82 -41277011.71 -41277011.60 0.3697 0.0402

Mercury -117718-03-30 12:00 J -41274988.09 -41274988.00 -41274987.91 0.3703 0.2022

Mercury -117713-10-13 04:48 J -41272964.32 -41272964.30 -41272964.28 0.3708 0.3618

Mercury -117710-07-12 06:44 J -41271962.36 -41271962.22 -41271962.08 0.3687 0.0642

Mercury -117704-01-25 10:48 J -41269938.14 -41269938.05 -41269937.96 0.3680 0.2869

Mercury -117678-03-22 06:29 J -41260386.31 -41260386.23 -41260386.14 0.3687 0.2293

Mercury -117673-10-04 23:46 J -41258362.62 -41258362.51 -41258362.41 0.3693 0.0640

Mercury -117667-04-20 16:48 J -41256338.90 -41256338.80 -41256338.70 0.3699 0.1007

Mercury -117662-11-04 09:51 J -41254315.17 -41254315.09 -41254315.02 0.3704 0.2619

Mercury -117659-08-02 03:51 J -41253313.43 -41253313.34 -41253313.25 0.3693 0.2856

Mercury -117653-02-16 07:27 J -41251289.33 -41251289.19 -41251289.05 0.3685 0.0546

Mercury -117627-04-12 11:03 J -41241737.08 -41241737.04 -41241736.99 0.3683 0.3347

Mercury -117622-10-27 04:20 J -41239713.41 -41239713.32 -41239713.22 0.3689 0.1676

Mercury -117616-05-11 21:36 J -41237689.71 -41237689.60 -41237689.49 0.3695 0.0060

Mercury -117611-11-25 14:39 J -41235665.99 -41235665.89 -41235665.80 0.3700 0.1603

Mercury -117605-06-10 07:27 J -41233642.24 -41233642.19 -41233642.13 0.3706 0.3209

Mercury -117602-03-09 04:34 J -41232640.44 -41232640.31 -41232640.19 0.3691 0.1687

Mercury -117597-09-22 08:10 J -41230616.28 -41230616.16 -41230616.04 0.3683 0.1748

Mercury -117571-11-17 09:08 J -41221064.20 -41221064.12 -41221064.05 0.3685 0.2725

Mercury -117565-06-02 02:10 J -41219040.51 -41219040.41 -41219040.30 0.3691 0.1069

Mercury -117560-12-16 19:27 J -41217016.80 -41217016.69 -41217016.59 0.3696 0.0588

Mercury -117554-07-02 12:29 J -41214993.07 -41214992.98 -41214992.90 0.3702 0.2199

Mercury -117546-10-14 05:03 J -41211967.43 -41211967.29 -41211967.15 0.3689 0.0525

Mercury -117540-04-29 08:53 J -41209943.21 -41209943.13 -41209943.04 0.3682 0.2961

Mercury -117514-06-24 06:58 J -41200391.30 -41200391.21 -41200391.12 0.3687 0.2102

Mercury -117508-01-07 00:00 J -41198367.60 -41198367.50 -41198367.39 0.3692 0.0479

Mercury -117503-07-23 17:17 J -41196343.88 -41196343.78 -41196343.68 0.3698 0.1183

Mercury -117497-02-06 10:20 J -41194320.14 -41194320.07 -41194320.01 0.3703 0.2790

Mercury -117495-11-04 02:10 J -41193318.50 -41193318.41 -41193318.32 0.3694 0.2726

Mercury -117489-05-20 05:32 J -41191294.41 -41191294.27 -41191294.13 0.3687 0.0651

Mercury -117463-07-15 11:32 J -41181742.07 -41181742.02 -41181741.97 0.3682 0.3158

Mercury -117457-01-29 04:48 J -41179718.40 -41179718.30 -41179718.20 0.3688 0.1486

Mercury -117452-08-13 22:05 J -41177694.69 -41177694.58 -41177694.48 0.3694 0.0209

Mercury -117446-02-27 15:08 J -41175670.97 -41175670.87 -41175670.78 0.3699 0.1780

Mercury -117441-09-12 07:56 J -41173647.21 -41173647.17 -41173647.12 0.3705 0.3382
 Mercury -117438-06-11 02:39 J -41172645.52 -41172645.39 -41172645.27 0.3692 0.1600
 Mercury -117433-12-25 06:15 J -41170621.36 -41170621.24 -41170621.12 0.3685 0.1831
 Mercury -117406-02-19 09:22 J -41161069.18 -41161069.11 -41161069.03 0.3684 0.2532
 Mercury -117401-09-04 02:39 J -41159045.49 -41159045.39 -41159045.28 0.3689 0.0874
 Mercury -117395-03-20 19:56 J -41157021.78 -41157021.67 -41157021.57 0.3695 0.0768
 Mercury -117390-10-04 12:58 J -41154998.04 -41154997.96 -41154997.88 0.3701 0.2375
 Mercury -117381-01-16 03:08 J -41151972.51 -41151972.37 -41151972.23 0.3690 0.0443
 Mercury -117376-08-01 06:58 J -41149948.29 -41149948.21 -41149948.13 0.3683 0.3035
 Mercury -117355-03-12 13:56 J -41142419.94 -41142419.92 -41142419.89 0.3680 0.3586
 Mercury -117350-09-26 07:27 J -41140396.29 -41140396.19 -41140396.10 0.3685 0.1907
 Mercury -117344-04-11 00:44 J -41138372.58 -41138372.47 -41138372.37 0.3691 0.0288
 Mercury -117339-10-25 17:46 J -41136348.86 -41136348.76 -41136348.66 0.3697 0.1368
 Mercury -117333-05-10 10:48 J -41134325.11 -41134325.05 -41134324.99 0.3702 0.2968
 Mercury -117330-02-06 00:29 J -41133323.58 -41133323.48 -41133323.39 0.3695 0.2628
 Mercury -117325-08-22 03:51 J -41131299.48 -41131299.34 -41131299.20 0.3688 0.0741
 Mercury -117299-10-17 12:00 J -41121747.06 -41121747.00 -41121746.94 0.3681 0.2954
 Mercury -117293-05-02 05:17 J -41119723.38 -41119723.28 -41119723.18 0.3687 0.1290
 Mercury -117288-11-15 22:34 J -41117699.67 -41117699.56 -41117699.46 0.3693 0.0372
 Mercury -117282-06-01 15:36 J -41115675.94 -41115675.85 -41115675.76 0.3698 0.1961
 Mercury -117277-12-15 08:24 J -41113652.17 -41113652.15 -41113652.12 0.3704 0.3548
 Mercury -117274-09-13 00:58 J -41112650.59 -41112650.46 -41112650.33 0.3693 0.1484
 Mercury -117268-03-29 04:34 J -41110626.43 -41110626.31 -41110626.19 0.3686 0.1925
 Mercury -117242-05-24 09:51 J -41101074.17 -41101074.09 -41101074.00 0.3683 0.2335
 Mercury -117237-12-07 03:08 J -41099050.48 -41099050.37 -41099050.26 0.3689 0.0687
 Mercury -117231-06-22 20:24 J -41097026.76 -41097026.65 -41097026.55 0.3694 0.0952
 Mercury -117225-01-06 13:27 J -41095003.02 -41095002.94 -41095002.87 0.3700 0.2546
 Mercury -117223-10-03 22:20 J -41094001.60 -41094001.57 -41094001.55 0.3699 0.3620
 Mercury -117217-04-19 01:27 J -41091977.58 -41091977.44 -41091977.30 0.3692 0.0328
 Mercury -117212-11-03 05:17 J -41089953.36 -41089953.28 -41089953.21 0.3684 0.3112

Mercury -117191-06-14 14:24 J -41082424.94 -41082424.90 -41082424.86 0.3679 0.3387

Mercury -117186-12-29 07:41 J -41080401.27 -41080401.18 -41080401.08 0.3684 0.1726

Mercury -117180-07-14 00:58 J -41078377.57 -41078377.46 -41078377.35 0.3690 0.0108

Mercury -117174-01-27 18:15 J -41076353.84 -41076353.74 -41076353.65 0.3696 0.1546

Mercury -117169-08-12 11:17 J -41074330.09 -41074330.03 -41074329.98 0.3701 0.3135

Mercury -117166-05-10 22:48 J -41073328.66 -41073328.55 -41073328.45 0.3697 0.2505

Mercury -117161-11-24 02:10 J -41071304.55 -41071304.41 -41071304.28 0.3690 0.0839

Mercury -117134-01-19 12:29 J -41061752.06 -41061751.98 -41061751.91 0.3680 0.2767

Mercury -117129-08-04 05:46 J -41059728.37 -41059728.26 -41059728.16 0.3686 0.1114

Mercury -117123-02-17 22:48 J -41057704.65 -41057704.55 -41057704.44 0.3692 0.0545

Mercury -117118-09-03 16:05 J -41055680.92 -41055680.83 -41055680.74 0.3697 0.2137

Mercury -117110-12-15 23:17 J -41052655.66 -41052655.53 -41052655.40 0.3695 0.1366

Mercury -117104-07-01 02:39 J -41050631.51 -41050631.39 -41050631.27 0.3687 0.1988

Mercury -117078-08-26 10:20 J -41041079.16 -41041079.07 -41041078.98 0.3682 0.2141

Mercury -117072-03-11 03:36 J -41039055.46 -41039055.35 -41039055.24 0.3688 0.0497

Mercury -117067-09-24 20:53 J -41037031.74 -41037031.63 -41037031.53 0.3693 0.1135

Mercury -117061-04-09 13:56 J -41035007.99 -41035007.92 -41035007.85 0.3699 0.2726

Mercury -117058-01-05 20:39 J -41034006.68 -41034006.64 -41034006.60 0.3700 0.3498

Mercury -117053-07-21 23:46 J -41031982.65 -41031982.51 -41031982.37 0.3693 0.0253

Mercury -117047-02-05 03:08 J -41029958.44 -41029958.37 -41029958.30 0.3685 0.3160

Mercury -117027-09-16 14:53 J -41022429.93 -41022429.88 -41022429.83 0.3678 0.3188

Mercury -117021-04-01 08:10 J -41020406.26 -41020406.16 -41020406.06 0.3683 0.1531

Mercury -117016-10-16 01:27 J -41018382.55 -41018382.44 -41018382.33 0.3689 0.0146

Mercury -117010-05-01 18:44 J -41016358.82 -41016358.72 -41016358.63 0.3695 0.1725

Mercury -117005-11-14 11:46 J -41014335.06 -41014335.01 -41014334.97 0.3700 0.3308

Mercury -117002-08-12 21:08 J -41013333.73 -41013333.62 -41013333.52 0.3698 0.2384

117TH MILLENNIUM

BCE

This is a list of transits visible from Venus in the 117th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-116996-02-26 00:15 J	-41011309.63	-41011309.49	-41011309.35	0.3691	0.0914		
Mercury	-116970-04-23 12:44 J	-41001757.04	-41001756.97	-41001756.89	0.3679	0.2569		
Mercury	-116965-11-06 06:15 J	-40999733.35	-40999733.24	-40999733.14	0.3685	0.0928		
Mercury	-116959-05-22 23:17 J	-40997709.63	-40997709.53	-40997709.42	0.3691	0.0724		
Mercury	-116954-12-06 16:34 J	-40995685.90	-40995685.81	-40995685.73	0.3696	0.2310		
Mercury	-116945-03-18 21:36 J	-40992660.73	-40992660.60	-40992660.47	0.3696	0.1260		
Mercury	-116940-10-03 00:44 J	-40990636.58	-40990636.47	-40990636.35	0.3689	0.2075		
Mercury	-116919-05-14 17:17 J	-40983107.79	-40983107.78	-40983107.76	0.3675	0.3617		
Mercury	-116914-11-28 10:48 J	-40981084.15	-40981084.05	-40981083.96	0.3681	0.1958		
Mercury	-116908-06-13 04:05 J	-40979060.44	-40979060.33	-40979060.22	0.3687	0.0311		
Mercury	-116903-12-27 21:08 J	-40977036.72	-40977036.62	-40977036.51	0.3692	0.1306		
Mercury	-116897-07-12 14:24 J	-40975012.97	-40975012.90	-40975012.84	0.3698	0.2895		
Mercury	-116894-04-09 18:58 J	-40974011.76	-40974011.71	-40974011.65	0.3701	0.3363		
Mercury	-116889-10-23 22:05 J	-40971987.72	-40971987.58	-40971987.44	0.3694	0.0144		
Mercury	-116883-05-10 01:27 J	-40969963.50	-40969963.44	-40969963.37	0.3687	0.3245		
Mercury	-116863-12-19 15:08 J	-40962434.93	-40962434.87	-40962434.80	0.3677	0.3005		
Mercury	-116857-07-04 08:39 J	-40960411.24	-40960411.14	-40960411.04	0.3683	0.1343		
Mercury	-116851-01-18 01:55 J	-40958387.53	-40958387.42	-40958387.31	0.3688	0.0290		
Mercury	-116846-08-03 19:12 J	-40956363.80	-40956363.70	-40956363.61	0.3694	0.1898		

Mercury -116840-02-16 12:15 J -40954340.03 -40954339.99 -40954339.96 0.3699 0.3475

Mercury -116838-11-14 19:27 J -40953338.80 -40953338.69 -40953338.58 0.3699 0.2258

Mercury -116832-05-30 22:34 J -40951314.70 -40951314.56 -40951314.43 0.3692 0.1010

Mercury -116806-07-26 13:12 J -40941762.03 -40941761.95 -40941761.87 0.3679 0.2384

Mercury -116800-02-08 06:29 J -40939738.33 -40939738.23 -40939738.12 0.3684 0.0739

Mercury -116795-08-24 23:46 J -40937714.61 -40937714.51 -40937714.40 0.3690 0.0890

Mercury -116789-03-09 17:03 J -40935690.87 -40935690.79 -40935690.71 0.3695 0.2484

Mercury -116781-06-20 19:41 J -40932665.81 -40932665.68 -40932665.55 0.3697 0.1172

Mercury -116775-01-04 23:03 J -40930641.65 -40930641.54 -40930641.43 0.3690 0.2150

Mercury -116755-08-16 17:46 J -40923112.80 -40923112.76 -40923112.73 0.3674 0.3429

Mercury -116749-03-01 11:03 J -40921089.13 -40921089.04 -40921088.94 0.3680 0.1771

Mercury -116744-09-15 04:34 J -40919065.42 -40919065.31 -40919065.20 0.3686 0.0158

Mercury -116738-03-31 21:36 J -40917041.69 -40917041.60 -40917041.50 0.3691 0.1487

Mercury -116733-10-14 14:53 J -40915017.94 -40915017.88 -40915017.82 0.3697 0.3066

Mercury -116730-07-12 17:17 J -40914016.84 -40914016.78 -40914016.72 0.3703 0.3253

Mercury -116724-01-25 20:10 J -40911992.80 -40911992.66 -40911992.52 0.3696 0.0066

Mercury -116719-08-11 23:46 J -40909968.57 -40909968.51 -40909968.46 0.3688 0.3314

Mercury -116698-03-23 15:36 J -40902439.92 -40902439.85 -40902439.78 0.3676 0.2806

Mercury -116693-10-06 09:07 J -40900416.23 -40900416.12 -40900416.02 0.3682 0.1154

Mercury -116687-04-22 02:24 J -40898392.51 -40898392.40 -40898392.29 0.3687 0.0477

Mercury -116682-11-05 19:41 J -40896368.77 -40896368.68 -40896368.60 0.3693 0.2077

Mercury -116676-05-21 12:43 J -40894344.99 -40894344.97 -40894344.96 0.3698 0.3646

Mercury -116673-02-16 17:46 J -40893343.88 -40893343.76 -40893343.65 0.3701 0.2167

Mercury -116668-09-01 20:39 J -40891319.77 -40891319.64 -40891319.50 0.3693 0.1100

Mercury -116642-10-28 13:41 J -40881767.02 -40881766.93 -40881766.84 0.3678 0.2189

Mercury -116636-05-13 06:58 J -40879743.32 -40879743.21 -40879743.10 0.3683 0.0551

Mercury -116631-11-27 00:15 J -40877719.59 -40877719.49 -40877719.38 0.3689 0.1066

Mercury -116625-06-11 17:31 J -40875695.85 -40875695.77 -40875695.70 0.3694 0.2659

Mercury -116617-09-22 18:15 J -40872670.88 -40872670.74 -40872670.61 0.3699 0.1056

Mercury -116611-04-08 21:22 J -40870646.72 -40870646.61 -40870646.50 0.3691 0.2243

Mercury -116591-11-18 18:00 J -40863117.80 -40863117.75 -40863117.70 0.3674 0.3234

Mercury -116585-06-03 11:31 J -40861094.12 -40861094.02 -40861093.92 0.3679 0.1576

Mercury -116580-12-18 04:48 J -40859070.41 -40859070.30 -40859070.19 0.3685 0.0126

Mercury -116574-07-03 22:05 J -40857046.67 -40857046.58 -40857046.48 0.3690 0.1657

Mercury -116568-01-16 15:22 J -40855022.91 -40855022.86 -40855022.81 0.3696 0.3234

Mercury -116566-10-14 15:51 J -40854021.92 -40854021.84 -40854021.77 0.3704 0.3122

Mercury -116560-04-29 18:29 J -40851997.86 -40851997.73 -40851997.59 0.3697 0.0143

Mercury -116555-11-13 21:51 J -40849973.64 -40849973.59 -40849973.53 0.3689 0.3387

Mercury -116534-06-25 16:05 J -40842444.91 -40842444.83 -40842444.76 0.3675 0.2618

Mercury -116528-01-08 09:22 J -40840421.21 -40840421.11 -40840421.00 0.3681 0.0982

Mercury -116523-07-25 02:53 J -40838397.49 -40838397.38 -40838397.28 0.3686 0.0658

Mercury -116517-02-07 19:55 J -40836373.75 -40836373.67 -40836373.58 0.3692 0.2246

Mercury -116509-05-20 16:05 J -40833348.95 -40833348.83 -40833348.72 0.3702 0.2043

Mercury -116504-12-04 18:58 J -40831324.84 -40831324.71 -40831324.57 0.3695 0.1192

Mercury -116483-07-16 20:24 J -40823795.65 -40823795.65 -40823795.65 0.3671 0.3667

Mercury -116477-01-30 13:55 J -40821772.01 -40821771.92 -40821771.83 0.3677 0.2005

Mercury -116472-08-15 07:27 J -40819748.30 -40819748.19 -40819748.08 0.3682 0.0372

Mercury -116466-03-01 00:43 J -40817724.57 -40817724.47 -40817724.37 0.3688 0.1240

Mercury -116461-09-13 18:00 J -40815700.82 -40815700.75 -40815700.69 0.3693 0.2830

Mercury -116453-12-25 16:34 J -40812675.95 -40812675.81 -40812675.68 0.3700 0.0943

Mercury -116447-07-11 19:27 J -40810651.80 -40810651.69 -40810651.58 0.3693 0.2298

Mercury -116426-02-20 18:29 J -40803122.79 -40803122.73 -40803122.67 0.3673 0.3044

Mercury -116421-09-05 12:00 J -40801099.10 -40801099.00 -40801098.90 0.3678 0.1388

Mercury -116415-03-22 05:17 J -40799075.39 -40799075.28 -40799075.17 0.3684 0.0247

Mercury -116410-10-05 22:34 J -40797051.65 -40797051.56 -40797051.46 0.3689 0.1835

Mercury -116404-04-20 15:51 J -40795027.88 -40795027.84 -40795027.80 0.3695 0.3406

Mercury -116401-01-16 14:10 J -40794026.99 -40794026.91 -40794026.83 0.3705 0.3008

Mercury -116396-08-01 16:48 J -40792002.93 -40792002.80 -40792002.66 0.3698 0.0190

Mercury -116390-02-15 19:55 J -40789978.71 -40789978.67 -40789978.62 0.3691 0.3439

Mercury -116370-09-27 16:34 J -40782449.90 -40782449.81 -40782449.73 0.3674 0.2429

Mercury -116364-04-12 09:51 J -40780426.19 -40780426.09 -40780425.98 0.3680 0.0791

Mercury -116359-10-27 03:22 J -40778402.47 -40778402.36 -40778402.26 0.3685 0.0838

Mercury -116353-05-11 20:24 J -40776378.73 -40776378.65 -40776378.56 0.3691 0.2424

Mercury -116345-08-22 14:39 J -40773354.01 -40773353.89 -40773353.78 0.3703 0.1922

Mercury -116339-03-08 17:17 J -40771329.91 -40771329.78 -40771329.65 0.3696 0.1268

Mercury -116319-10-18 20:53 J -40763800.66 -40763800.63 -40763800.60 0.3670 0.3469

Mercury -116313-05-03 14:24 J -40761776.99 -40761776.90 -40761776.80 0.3676 0.1810

Mercury -116308-11-17 07:55 J -40759753.28 -40759753.17 -40759753.06 0.3681 0.0219

Mercury -116302-06-03 01:12 J -40757729.55 -40757729.45 -40757729.35 0.3687 0.1420

Mercury -116297-12-16 18:15 J -40755705.80 -40755705.74 -40755705.67 0.3692 0.2992

Mercury -116288-03-29 14:53 J -40752681.01 -40752680.88 -40752680.74 0.3701 0.0833

Mercury -116283-10-13 17:46 J -40750656.86 -40750656.76 -40750656.65 0.3694 0.2382

Mercury -116262-05-25 18:58 J -40743127.78 -40743127.71 -40743127.65 0.3672 0.2854

Mercury -116257-12-08 12:15 J -40741104.09 -40741103.99 -40741103.88 0.3677 0.1217

Mercury -116251-06-24 05:46 J -40739080.37 -40739080.26 -40739080.15 0.3683 0.0412

Mercury -116245-01-07 23:03 J -40737056.63 -40737056.54 -40737056.45 0.3688 0.1999

Mercury -116240-07-23 16:05 J -40735032.85 -40735032.83 -40735032.80 0.3694 0.3565

Mercury -116237-04-19 12:43 J -40734032.06 -40734031.97 -40734031.89 0.3706 0.2869

Mercury -116232-11-03 15:22 J -40732008.00 -40732007.86 -40732007.72 0.3699 0.0272

Mercury -116226-05-20 18:15 J -40729983.77 -40729983.74 -40729983.70 0.3692 0.3519

Mercury -116206-12-30 16:48 J -40722454.89 -40722454.80 -40722454.71 0.3673 0.2243

Mercury -116200-07-15 10:19 J -40720431.18 -40720431.07 -40720430.96 0.3679 0.0607

Mercury -116194-01-29 03:36 J -40718407.45 -40718407.35 -40718407.24 0.3684 0.1009

Mercury -116189-08-13 20:53 J -40716383.70 -40716383.63 -40716383.55 0.3690 0.2582

Mercury -116181-11-24 12:58 J -40713359.08 -40713358.96 -40713358.84 0.3704 0.1802

Mercury -116175-06-10 15:36 J -40711334.98 -40711334.85 -40711334.72 0.3697 0.1343

Mercury -116154-01-20 21:07 J -40703805.66 -40703805.62 -40703805.57 0.3669 0.3281

Mercury -116149-08-05 14:53 J -40701781.98 -40701781.88 -40701781.79 0.3675 0.1637

Mercury -116143-02-19 08:10 J -40699758.27 -40699758.16 -40699758.05 0.3680 0.0104

Mercury -116138-09-05 01:41 J -40697734.53 -40697734.43 -40697734.34 0.3686 0.1597

Mercury -116132-03-20 18:43 J -40695710.77 -40695710.72 -40695710.66 0.3691 0.3161

Mercury -116124-07-01 13:12 J -40692686.09 -40692685.95 -40692685.82 0.3702 0.0749

Mercury -116118-01-15 16:05 J -40690661.93 -40690661.83 -40690661.73 0.3695 0.2461

Mercury -116098-08-27 19:12 J -40683132.77 -40683132.70 -40683132.62 0.3671 0.2663

Mercury -116092-03-12 12:43 J -40681109.07 -40681108.97 -40681108.86 0.3676 0.1026

Mercury -116087-09-26 06:15 J -40679085.35 -40679085.24 -40679085.13 0.3682 0.0594

Mercury -116081-04-10 23:31 J -40677061.61 -40677061.52 -40677061.43 0.3687 0.2176

Mercury -116073-07-22 11:03 J -40674037.13 -40674037.04 -40674036.95 0.3707 0.2757

Mercury -116067-02-05 13:27 J -40672013.07 -40672012.94 -40672012.80 0.3701 0.0348

Mercury -116062-08-22 16:34 J -40669988.84 -40669988.81 -40669988.78 0.3693 0.3585

Mercury -116041-04-02 17:17 J -40662459.87 -40662459.78 -40662459.69 0.3672 0.2053

Mercury -116036-10-17 10:48 J -40660436.16 -40660436.05 -40660435.94 0.3678 0.0432

Mercury -116030-05-03 04:05 J -40658412.43 -40658412.33 -40658412.22 0.3683 0.1187

Mercury -116025-11-15 21:22 J -40656388.68 -40656388.61 -40656388.54 0.3689 0.2754

Mercury -116016-02-26 11:17 J -40653364.15 -40653364.03 -40653363.91 0.3706 0.1708

Mercury -116011-09-12 13:55 J -40651340.04 -40651339.92 -40651339.79 0.3699 0.1436

116TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 116th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
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Mercury -115990-04-24 21:36 J -40643810.66 -40643810.60 -40643810.54 0.3669 0.3085

Mercury -115985-11-07 15:07 J -40641786.97 -40641786.87 -40641786.77 0.3674 0.1446

Mercury -115979-05-24 08:39 J -40639763.25 -40639763.14 -40639763.03 0.3680 0.0185

Mercury -115974-12-08 01:55 J -40637739.51 -40637739.42 -40637739.32 0.3685 0.1767

Mercury -115968-06-22 19:12 J -40635715.74 -40635715.70 -40635715.65 0.3691 0.3328

Mercury -115965-03-19 09:22 J -40634715.12 -40634715.11 -40634715.09 0.3711 0.3664

Mercury -115960-10-03 11:46 J -40632691.15 -40632691.01 -40632690.88 0.3704 0.0647

Mercury -115954-04-19 14:24 J -40630667.00 -40630666.90 -40630666.80 0.3697 0.2552

Mercury -115934-11-29 19:41 J -40623137.77 -40623137.68 -40623137.60 0.3670 0.2481

Mercury -115928-06-14 13:12 J -40621114.06 -40621113.95 -40621113.84 0.3676 0.0839

Mercury -115923-12-29 06:29 J -40619090.33 -40619090.23 -40619090.12 0.3681 0.0775

Mercury -115917-07-14 00:00 J -40617066.59 -40617066.50 -40617066.42 0.3687 0.2345

Mercury -115909-10-24 09:36 J -40614042.19 -40614042.10 -40614042.00 0.3709 0.2630

Mercury -115903-05-10 12:00 J -40612018.14 -40612018.00 -40612017.86 0.3702 0.0443

Mercury -115898-11-24 14:53 J -40609993.89 -40609993.88 -40609993.86 0.3695 0.3657

Mercury -115883-12-20 23:46 J -40604488.53 -40604488.51 -40604488.48 0.3666 0.3526

Mercury -115877-07-05 17:31 J -40602464.86 -40602464.77 -40602464.67 0.3672 0.1869

Mercury -115871-01-19 11:03 J -40600441.15 -40600441.04 -40600440.93 0.3677 0.0263

Mercury -115866-08-05 04:34 J -40598417.41 -40598417.31 -40598417.21 0.3683 0.1350

Mercury -115860-02-17 21:51 J -40596393.66 -40596393.59 -40596393.53 0.3688 0.2917

Mercury -115852-05-31 09:51 J -40593369.22 -40593369.09 -40593368.97 0.3707 0.1595

Mercury -115847-12-15 12:29 J -40591345.11 -40591344.98 -40591344.86 0.3700 0.1532

Mercury -115826-07-27 21:51 J -40583815.65 -40583815.59 -40583815.52 0.3668 0.2909

Mercury -115820-02-09 15:36 J -40581791.96 -40581791.85 -40581791.75 0.3673 0.1265

Mercury -115815-08-26 09:07 J -40579768.23 -40579768.12 -40579768.01 0.3679 0.0357

Mercury -115809-03-11 02:24 J -40577744.49 -40577744.40 -40577744.31 0.3684 0.1932

Mercury -115804-09-24 19:41 J -40575720.71 -40575720.68 -40575720.65 0.3690 0.3492

Mercury -115801-06-21 07:55 J -40574720.21 -40574720.17 -40574720.14 0.3712 0.3559

Mercury -115795-01-05 10:05 J -40572696.22 -40572696.08 -40572695.94 0.3705 0.0536

Mercury -115790-07-22 12:43 J -40570672.07 -40570671.97 -40570671.87 0.3698 0.2603

Mercury -115769-03-02 19:55 J -40563142.76 -40563142.67 -40563142.58 0.3669 0.2293

Mercury -115764-09-16 13:27 J -40561119.04 -40561118.94 -40561118.83 0.3675 0.0678

Mercury -115758-04-02 06:58 J -40559095.31 -40559095.21 -40559095.10 0.3680 0.0945

Mercury -115753-10-16 00:29 J -40557071.56 -40557071.48 -40557071.41 0.3686 0.2515

Mercury -115744-01-26 07:55 J -40554047.26 -40554047.17 -40554047.07 0.3710 0.2530

Mercury -115739-08-12 10:34 J -40552023.20 -40552023.06 -40552022.93 0.3703 0.0552

Mercury -115718-03-25 00:15 J -40544493.53 -40544493.49 -40544493.45 0.3665 0.3332

Mercury -115713-10-07 18:00 J -40542469.85 -40542469.75 -40542469.65 0.3671 0.1682

Mercury -115707-04-23 11:31 J -40540446.13 -40540446.02 -40540445.91 0.3676 0.0077

Mercury -115702-11-07 05:03 J -40538422.39 -40538422.29 -40538422.19 0.3682 0.1529

Mercury -115696-05-22 22:19 J -40536398.63 -40536398.57 -40536398.51 0.3687 0.3087

Mercury -115688-09-02 08:24 J -40533374.28 -40533374.15 -40533374.03 0.3708 0.1482

Mercury -115682-03-19 10:48 J -40531350.17 -40531350.05 -40531349.93 0.3701 0.1611

Mercury -115662-10-29 22:19 J -40523820.64 -40523820.57 -40523820.50 0.3667 0.2713

Mercury -115656-05-14 16:05 J -40521796.94 -40521796.83 -40521796.73 0.3672 0.1085

Mercury -115651-11-28 09:36 J -40519773.21 -40519773.10 -40519773.00 0.3678 0.0550

Mercury -115645-06-13 02:53 J -40517749.47 -40517749.38 -40517749.29 0.3683 0.2105

Mercury -115640-12-27 20:10 J -40515725.67 -40515725.66 -40515725.65 0.3689 0.3649

Mercury -115637-09-23 06:29 J -40514725.28 -40514725.23 -40514725.18 0.3713 0.3422

Mercury -115631-04-09 08:39 J -40512701.28 -40512701.14 -40512701.00 0.3706 0.0422

Mercury -115626-10-24 11:03 J -40510677.13 -40510677.04 -40510676.94 0.3699 0.2690

Mercury -115605-06-04 20:24 J -40503147.74 -40503147.65 -40503147.56 0.3668 0.2105

Mercury -115600-12-19 13:55 J -40501124.03 -40501123.92 -40501123.81 0.3674 0.0487

Mercury -115594-07-05 07:27 J -40499100.29 -40499100.19 -40499100.09 0.3679 0.1111

Mercury -115588-01-18 00:43 J -40497076.54 -40497076.47 -40497076.39 0.3685 0.2674

Mercury -115580-04-30 06:43 J -40494052.33 -40494052.22 -40494052.12 0.3711 0.2396

Mercury -115575-11-14 08:53 J -40492028.26 -40492028.13 -40492027.99 0.3704 0.0637

Mercury -115554-06-27 00:29 J -40484498.53 -40484498.48 -40484498.42 0.3665 0.3148

Mercury -115548-01-09 18:15 J -40482474.84 -40482474.74 -40482474.64 0.3670 0.1507

Mercury -115543-07-26 12:00 J -40480451.12 -40480451.00 -40480450.89 0.3675 0.0187

Mercury -115537-02-09 05:17 J -40478427.37 -40478427.28 -40478427.18 0.3681 0.1696

Mercury -115532-08-24 22:48 J -40476403.60 -40476403.55 -40476403.50 0.3686 0.3247

Mercury -115524-12-05 06:43 J -40473379.34 -40473379.22 -40473379.09 0.3709 0.1373

Mercury -115518-06-21 09:07 J -40471355.24 -40471355.12 -40471355.00 0.3702 0.1674

Mercury -115497-01-31 22:34 J -40463825.64 -40463825.56 -40463825.48 0.3666 0.2533

Mercury -115492-08-16 16:19 J -40461801.93 -40461801.82 -40461801.71 0.3671 0.0906

Mercury -115486-03-02 09:51 J -40459778.20 -40459778.09 -40459777.98 0.3677 0.0698

Mercury -115481-09-15 03:22 J -40457754.45 -40457754.36 -40457754.28 0.3682 0.2272

Mercury -115473-12-26 05:03 J -40454730.35 -40454730.29 -40454730.23 0.3714 0.3290

Mercury -115467-07-12 06:58 J -40452706.34 -40452706.21 -40452706.07 0.3707 0.0340

Mercury -115461-01-26 09:22 J -40450682.20 -40450682.11 -40450682.01 0.3700 0.2753

Mercury -115446-02-22 02:53 J -40445176.40 -40445176.38 -40445176.36 0.3662 0.3574

Mercury -115441-09-06 20:39 J -40443152.73 -40443152.64 -40443152.54 0.3667 0.1922

Mercury -115435-03-23 14:24 J -40441129.01 -40441128.90 -40441128.79 0.3673 0.0322

Mercury -115430-10-07 07:55 J -40439105.28 -40439105.17 -40439105.07 0.3678 0.1288

Mercury -115424-04-22 01:12 J -40437081.52 -40437081.45 -40437081.38 0.3684 0.2847

Mercury -115416-08-02 05:03 J -40434057.39 -40434057.29 -40434057.18 0.3712 0.2285

Mercury -115410-02-16 07:12 J -40432033.33 -40432033.20 -40432033.06 0.3705 0.0708

Mercury -115390-09-29 00:58 J -40424503.52 -40424503.46 -40424503.40 0.3664 0.2954

Mercury -115384-04-13 18:43 J -40422479.82 -40422479.72 -40422479.62 0.3669 0.1318

Mercury -115379-10-28 12:15 J -40420456.10 -40420455.99 -40420455.88 0.3674 0.0313

Mercury -115373-05-13 05:46 J -40418432.35 -40418432.26 -40418432.16 0.3680 0.1868

Mercury -115368-11-26 23:17 J -40416408.57 -40416408.53 -40416408.50 0.3685 0.3414

Mercury -115359-03-09 05:17 J -40413384.41 -40413384.28 -40413384.15 0.3710 0.1263

Mercury -115354-09-23 07:41 J -40411360.30 -40411360.18 -40411360.06 0.3703 0.1767

Mercury -115333-05-04 23:03 J -40403830.63 -40403830.54 -40403830.46 0.3665 0.2343

Mercury -115328-11-18 16:48 J -40401806.91 -40401806.80 -40401806.70 0.3671 0.0736

Mercury -115322-06-04 10:19 J -40399783.18 -40399783.07 -40399782.96 0.3676 0.0872

Mercury -115317-12-18 03:36 J -40397759.43 -40397759.35 -40397759.26 0.3682 0.2436

Mercury -115308-03-30 03:36 J -40394735.42 -40394735.35 -40394735.28 0.3715 0.3162

Mercury -115303-10-14 05:31 J -40392711.41 -40392711.27 -40392711.13 0.3708 0.0233

Mercury -115297-04-29 07:55 J -40390687.26 -40390687.17 -40390687.08 0.3702 0.2832

Mercury -115282-05-27 03:07 J -40385181.41 -40385181.37 -40385181.33 0.3661 0.3386

Mercury -115277-12-09 21:07 J -40383157.72 -40383157.62 -40383157.53 0.3667 0.1751

Mercury -115271-06-25 14:39 J -40381134.00 -40381133.89 -40381133.78 0.3672 0.0160

Mercury -115265-01-09 08:10 J -40379110.26 -40379110.16 -40379110.06 0.3677 0.1450

Mercury -115260-07-25 01:41 J -40377086.49 -40377086.43 -40377086.37 0.3683 0.3002

Mercury -115252-11-04 03:51 J -40374062.45 -40374062.34 -40374062.23 0.3713 0.2160

Mercury -115246-05-21 05:46 J -40372038.39 -40372038.26 -40372038.13 0.3707 0.0806

Mercury -115225-01-01 01:12 J -40364508.52 -40364508.45 -40364508.38 0.3663 0.2778

Mercury -115220-07-16 18:58 J -40362484.81 -40362484.71 -40362484.60 0.3668 0.1150

Mercury -115214-01-30 12:43 J -40360461.08 -40360460.97 -40360460.86 0.3674 0.0459

Mercury -115209-08-15 06:15 J -40358437.33 -40358437.24 -40358437.15 0.3679 0.2026

Mercury -115203-02-28 23:31 J -40356413.54 -40356413.52 -40356413.49 0.3684 0.3568

Mercury -115195-06-11 03:51 J -40353389.47 -40353389.34 -40353389.21 0.3712 0.1158

Mercury -115190-12-26 06:00 J -40351365.37 -40351365.25 -40351365.13 0.3705 0.1854

Mercury -115169-08-06 23:17 J -40343835.62 -40343835.53 -40343835.44 0.3664 0.2170

Mercury -115163-02-20 17:03 J -40341811.90 -40341811.79 -40341811.68 0.3670 0.0549

Mercury -115158-09-06 10:34 J -40339788.16 -40339788.06 -40339787.95 0.3675 0.1053

Mercury -115152-03-22 04:05 J -40337764.40 -40337764.33 -40337764.25 0.3680 0.2599

Mercury -115144-07-02 02:10 J -40334740.48 -40334740.41 -40334740.33 0.3717 0.3057

Mercury -115138-01-16 04:05 J -40332716.47 -40332716.33 -40332716.20 0.3710 0.0147

Mercury -115133-08-01 06:14 J -40330692.32 -40330692.24 -40330692.15 0.3703 0.2897

Mercury -115118-08-29 03:36 J -40325186.41 -40325186.35 -40325186.30 0.3660 0.3202

Mercury -115112-03-13 21:22 J -40323162.71 -40323162.61 -40323162.51 0.3666 0.1567

Mercury -115107-09-27 15:07 J -40321138.98 -40321138.87 -40321138.76 0.3671 0.0051

Mercury -115101-04-12 08:38 J -40319115.24 -40319115.14 -40319115.04 0.3677 0.1620

Mercury -115096-10-27 02:10 J -40317091.47 -40317091.41 -40317091.36 0.3682 0.3166

Mercury -115087-02-06 02:24 J -40314067.52 -40314067.40 -40314067.29 0.3715 0.2062

Mercury -115082-08-23 04:19 J -40312043.45 -40312043.32 -40312043.19 0.3708 0.0896

Mercury -115061-04-04 01:41 J -40304513.51 -40304513.43 -40304513.36 0.3662 0.2593

Mercury -115056-10-18 19:26 J -40302489.80 -40302489.69 -40302489.58 0.3667 0.0966

Mercury -115050-05-04 13:12 J -40300466.06 -40300465.95 -40300465.84 0.3673 0.0645

Mercury -115045-11-17 06:43 J -40298442.31 -40298442.22 -40298442.14 0.3678 0.2199

Mercury -115031-09-13 02:24 J -40293394.53 -40293394.40 -40293394.27 0.3713 0.1052

Mercury -115025-03-29 04:34 J -40291370.43 -40291370.31 -40291370.19 0.3706 0.1932

Mercury -115010-04-26 05:46 J -40285864.27 -40285864.26 -40285864.25 0.3658 0.3623

Mercury -115005-11-08 23:46 J -40283840.61 -40283840.51 -40283840.42 0.3664 0.1987

115TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 115th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-114999-05-25 17:31 J	-40281816.88	-40281816.77	-40281816.66	0.3669	0.0375		
Mercury	-114994-12-09 11:02 J	-40279793.14	-40279793.04	-40279792.93	0.3674	0.1208		
Mercury	-114988-06-24 04:34 J	-40277769.38	-40277769.31	-40277769.24	0.3680	0.2764		
Mercury	-114980-10-04 00:58 J	-40274745.54	-40274745.46	-40274745.38	0.3718	0.2921		
Mercury	-114974-04-20 02:38 J	-40272721.52	-40272721.39	-40272721.25	0.3711	0.0051		
Mercury	-114969-11-03 04:48 J	-40270697.38	-40270697.30	-40270697.22	0.3704	0.2981		
Mercury	-114954-12-01 03:50 J	-40265191.40	-40265191.34	-40265191.28	0.3660	0.3017		
Mercury	-114948-06-15 21:50 J	-40263167.70	-40263167.59	-40263167.49	0.3665	0.1389		

Mercury -114943-12-30 15:22 J -40261143.97 -40261143.86 -40261143.75 0.3670 0.0237

Mercury -114937-07-15 09:07 J -40259120.22 -40259120.12 -40259120.03 0.3676 0.1788

Mercury -114931-01-29 02:24 J -40257096.44 -40257096.40 -40257096.35 0.3681 0.3325

Mercury -114923-05-11 00:58 J -40254072.57 -40254072.46 -40254072.34 0.3716 0.1931

Mercury -114918-11-25 02:53 J -40252048.51 -40252048.38 -40252048.25 0.3709 0.0989

Mercury -114897-07-07 01:55 J -40244518.50 -40244518.42 -40244518.34 0.3661 0.2412

Mercury -114891-01-20 19:41 J -40242494.79 -40242494.68 -40242494.57 0.3666 0.0797

Mercury -114886-08-06 13:26 J -40240471.05 -40240470.94 -40240470.83 0.3672 0.0794

Mercury -114880-02-19 06:58 J -40238447.29 -40238447.21 -40238447.12 0.3677 0.2357

Mercury -114867-12-16 00:58 J -40233399.59 -40233399.46 -40233399.33 0.3714 0.0949

Mercury -114861-07-01 02:53 J -40231375.49 -40231375.38 -40231375.26 0.3707 0.1996

Mercury -114846-07-29 06:00 J -40225869.28 -40225869.25 -40225869.21 0.3657 0.3451

Mercury -114840-02-11 00:00 J -40223845.60 -40223845.50 -40223845.40 0.3663 0.1810

Mercury -114835-08-27 17:46 J -40221821.87 -40221821.76 -40221821.65 0.3668 0.0206

Mercury -114829-03-12 11:31 J -40219798.13 -40219798.02 -40219797.92 0.3673 0.1376

Mercury -114824-09-26 05:02 J -40217774.36 -40217774.29 -40217774.23 0.3679 0.2924

Mercury -114815-01-05 23:31 J -40214750.61 -40214750.52 -40214750.43 0.3719 0.2798

Mercury -114810-07-23 01:12 J -40212726.59 -40212726.45 -40212726.32 0.3712 0.0120

Mercury -114804-02-05 03:07 J -40210702.44 -40210702.37 -40210702.29 0.3705 0.3031

Mercury -114789-03-04 04:05 J -40205196.40 -40205196.33 -40205196.26 0.3659 0.2840

Mercury -114784-09-17 22:05 J -40203172.69 -40203172.58 -40203172.47 0.3664 0.1206

Mercury -114778-04-03 15:50 J -40201148.95 -40201148.84 -40201148.73 0.3669 0.0386

Mercury -114773-10-17 09:22 J -40199125.20 -40199125.11 -40199125.01 0.3675 0.1955

Mercury -114767-05-03 02:53 J -40197101.41 -40197101.38 -40197101.35 0.3680 0.3487

Mercury -114759-08-12 23:31 J -40194077.63 -40194077.52 -40194077.40 0.3717 0.1823

Mercury -114753-02-27 01:12 J -40192053.58 -40192053.45 -40192053.32 0.3710 0.1066

Mercury -114733-10-09 02:10 J -40184523.49 -40184523.41 -40184523.32 0.3660 0.2233

Mercury -114727-04-24 20:10 J -40182499.77 -40182499.66 -40182499.55 0.3666 0.0610

Mercury -114722-11-08 13:55 J -40180476.03 -40180475.92 -40180475.82 0.3671 0.0971

Mercury -114716-05-24 07:26 J -40178452.27 -40178452.19 -40178452.11 0.3676 0.2522

Mercury -114708-09-02 22:19 J -40175428.60 -40175428.57 -40175428.55 0.3722 0.3634

Mercury -114702-03-19 23:46 J -40173404.64 -40173404.51 -40173404.38 0.3715 0.0840

Mercury -114697-10-03 01:26 J -40171380.55 -40171380.44 -40171380.32 0.3708 0.2088

Mercury -114682-10-31 06:29 J -40165874.28 -40165874.23 -40165874.19 0.3657 0.3264

Mercury -114676-05-16 00:29 J -40163850.58 -40163850.48 -40163850.38 0.3662 0.1633

Mercury -114671-11-29 18:14 J -40161826.86 -40161826.74 -40161826.63 0.3667 0.0119

Mercury -114665-06-14 11:46 J -40159803.11 -40159803.01 -40159802.91 0.3673 0.1548

Mercury -114660-12-29 05:17 J -40157779.33 -40157779.28 -40157779.22 0.3678 0.3078

Mercury -114651-04-09 22:19 J -40154755.66 -40154755.57 -40154755.48 0.3720 0.2671

Mercury -114646-10-24 23:46 J -40152731.65 -40152731.51 -40152731.38 0.3713 0.0153

Mercury -114640-05-10 01:41 J -40150707.50 -40150707.43 -40150707.35 0.3706 0.3112

Mercury -114625-06-06 04:34 J -40145201.39 -40145201.31 -40145201.24 0.3658 0.2657

Mercury -114620-12-20 22:19 J -40143177.67 -40143177.57 -40143177.46 0.3663 0.1042

Mercury -114614-07-06 16:05 J -40141153.94 -40141153.83 -40141153.72 0.3669 0.0569

Mercury -114608-01-19 09:50 J -40139130.18 -40139130.09 -40139130.00 0.3674 0.2108

Mercury -114603-08-05 03:22 J -40137106.38 -40137106.36 -40137106.35 0.3680 0.3632

Mercury -114595-11-14 22:19 J -40134082.69 -40134082.57 -40134082.45 0.3718 0.1706

Mercury -114589-05-31 00:00 J -40132058.63 -40132058.50 -40132058.38 0.3711 0.1160

Mercury -114568-01-11 02:38 J -40124528.49 -40124528.39 -40124528.30 0.3660 0.2063

Mercury -114563-07-27 20:24 J -40122504.76 -40122504.65 -40122504.54 0.3665 0.0451

Mercury -114557-02-10 14:10 J -40120481.01 -40120480.91 -40120480.80 0.3670 0.1132

Mercury -114552-08-26 07:41 J -40118457.25 -40118457.18 -40118457.10 0.3675 0.2678

Mercury -114544-12-05 21:07 J -40115433.67 -40115433.62 -40115433.58 0.3723 0.3507

Mercury -114538-06-21 22:19 J -40113409.71 -40113409.57 -40113409.44 0.3716 0.0760

Mercury -114532-01-05 00:00 J -40111385.61 -40111385.50 -40111385.39 0.3709 0.2164

Mercury -114517-02-02 06:43 J -40105879.28 -40105879.22 -40105879.16 0.3656 0.3084

Mercury -114512-08-18 00:43 J -40103855.58 -40103855.47 -40103855.37 0.3661 0.1462

Mercury -114506-03-03 18:29 J -40101831.84 -40101831.73 -40101831.62 0.3666 0.0140

Mercury -114501-09-16 12:14 J -40099808.09 -40099807.99 -40099807.89 0.3672 0.1708

Mercury -114495-04-02 05:46 J -40097784.31 -40097784.26 -40097784.21 0.3677 0.3235

Mercury -114487-07-12 20:53 J -40094760.73 -40094760.63 -40094760.54 0.3721 0.2569

Mercury -114481-01-26 22:19 J -40092736.70 -40092736.57 -40092736.43 0.3714 0.0246

Mercury -114476-08-12 00:14 J -40090712.56 -40090712.49 -40090712.42 0.3707 0.3175

Mercury -114461-09-08 04:48 J -40085206.38 -40085206.30 -40085206.22 0.3657 0.2476

Mercury -114455-03-24 22:48 J -40083182.66 -40083182.55 -40083182.44 0.3663 0.0866

Mercury -114450-10-08 16:34 J -40081158.92 -40081158.81 -40081158.70 0.3668 0.0724

Mercury -114444-04-23 10:19 J -40079135.16 -40079135.07 -40079134.99 0.3673 0.2278

Mercury -114430-02-16 20:53 J -40074087.75 -40074087.63 -40074087.51 0.3719 0.1611

Mercury -114425-09-01 22:34 J -40072063.69 -40072063.56 -40072063.43 0.3712 0.1244

Mercury -114410-09-30 08:53 J -40066557.16 -40066557.13 -40066557.10 0.3654 0.3511

Mercury -114404-04-15 02:53 J -40064533.48 -40064533.38 -40064533.28 0.3659 0.1875

Mercury -114399-10-29 20:53 J -40062509.74 -40062509.63 -40062509.52 0.3664 0.0287

Mercury -114393-05-14 14:38 J -40060486.00 -40060485.89 -40060485.79 0.3669 0.1302

Mercury -114388-11-28 08:10 J -40058462.23 -40058462.16 -40058462.09 0.3675 0.2836

Mercury -114379-03-09 19:41 J -40055438.73 -40055438.68 -40055438.63 0.3724 0.3388

Mercury -114374-09-23 20:53 J -40053414.76 -40053414.63 -40053414.50 0.3717 0.0642

Mercury -114368-04-08 22:34 J -40051390.66 -40051390.56 -40051390.45 0.3710 0.2244

Mercury -114353-05-06 06:58 J -40045884.28 -40045884.21 -40045884.14 0.3655 0.2900

Mercury -114348-11-20 00:58 J -40043860.56 -40043860.46 -40043860.35 0.3660 0.1281

Mercury -114342-06-05 18:58 J -40041836.83 -40041836.71 -40041836.60 0.3666 0.0329

Mercury -114337-12-19 12:29 J -40039813.07 -40039812.98 -40039812.88 0.3671 0.1867

Mercury -114331-07-05 06:14 J -40037789.28 -40037789.24 -40037789.20 0.3676 0.3392

Mercury -114323-10-14 19:41 J -40034765.78 -40034765.68 -40034765.58 0.3722 0.2443

Mercury -114317-04-29 21:07 J -40032741.76 -40032741.62 -40032741.49 0.3715 0.0356

Mercury -114312-11-13 22:48 J -40030717.61 -40030717.55 -40030717.49 0.3709 0.3245

Mercury -114297-12-11 05:02 J -40025211.38 -40025211.29 -40025211.20 0.3657 0.2304

Mercury -114291-06-26 23:02 J -40023187.65 -40023187.54 -40023187.43 0.3662 0.0691

Mercury -114285-01-10 16:48 J -40021163.90 -40021163.80 -40021163.69 0.3667 0.0889

Mercury -114280-07-26 10:34 J -40019140.14 -40019140.06 -40019139.98 0.3672 0.2428

Mercury -114266-05-21 19:41 J -40014092.80 -40014092.68 -40014092.56 0.3720 0.1493

Mercury -114261-12-04 21:07 J -40012068.74 -40012068.62 -40012068.49 0.3714 0.1330

Mercury -114245-01-02 09:07 J -40006562.17 -40006562.12 -40006562.08 0.3653 0.3338

Mercury -114240-07-18 03:07 J -40004538.47 -40004538.37 -40004538.27 0.3658 0.1706

Mercury -114234-01-31 21:07 J -40002514.73 -40002514.62 -40002514.51 0.3663 0.0108

Mercury -114229-08-16 14:53 J -40000490.98 -40000490.88 -40000490.78 0.3669 0.1457

Mercury -114223-03-02 08:38 J -39998467.20 -39998467.14 -39998467.08 0.3674 0.2990

Mercury -114215-06-11 18:29 J -39995443.79 -39995443.73 -39995443.67 0.3725 0.3265

Mercury -114210-12-26 19:41 J -39993419.81 -39993419.68 -39993419.55 0.3718 0.0529

Mercury -114204-07-11 21:07 J -39991395.72 -39991395.62 -39991395.51 0.3712 0.2299

Mercury -114189-08-08 07:12 J -39985889.27 -39985889.20 -39985889.13 0.3654 0.2733

Mercury -114183-02-22 01:12 J -39983865.55 -39983865.45 -39983865.34 0.3659 0.1116

Mercury -114178-09-07 19:12 J -39981841.81 -39981841.70 -39981841.59 0.3665 0.0473

Mercury -114172-03-23 12:58 J -39979818.05 -39979817.96 -39979817.87 0.3670 0.2022

Mercury -114167-10-07 06:29 J -39977794.25 -39977794.23 -39977794.20 0.3675 0.3550

Mercury -114158-01-16 18:14 J -39974770.84 -39974770.74 -39974770.63 0.3723 0.2334

Mercury -114153-08-01 19:41 J -39972746.82 -39972746.68 -39972746.55 0.3716 0.0435

Mercury -114147-02-15 21:22 J -39970722.67 -39970722.61 -39970722.55 0.3710 0.3291

Mercury -114132-03-15 05:17 J -39965216.37 -39965216.28 -39965216.19 0.3656 0.2132

Mercury -114127-09-28 23:17 J -39963192.64 -39963192.53 -39963192.41 0.3661 0.0542

Mercury -114121-04-13 17:17 J -39961168.89 -39961168.78 -39961168.67 0.3666 0.1050

Mercury -114116-10-28 11:02 J -39959145.12 -39959145.04 -39959144.96 0.3672 0.2588

Mercury -114102-08-23 18:14 J -39954097.86 -39954097.74 -39954097.61 0.3721 0.1387

Mercury -114096-03-08 19:41 J -39952073.80 -39952073.68 -39952073.56 0.3714 0.1398

Mercury -114081-04-05 09:22 J -39946567.17 -39946567.11 -39946567.06 0.3652 0.3157

Mercury -114076-10-20 03:36 J -39944543.46 -39944543.35 -39944543.25 0.3657 0.1534

Mercury -114070-05-05 21:36 J -39942519.72 -39942519.60 -39942519.49 0.3663 0.0143

Mercury -114065-11-18 15:22 J -39940495.96 -39940495.86 -39940495.76 0.3668 0.1622

Mercury -114059-06-04 09:07 J -39938472.18 -39938472.12 -39938472.07 0.3673 0.3150

Mercury -114051-09-13 17:17 J -39935448.85 -39935448.78 -39935448.71 0.3726 0.3136

Mercury -114045-03-29 18:14 J -39933424.87 -39933424.74 -39933424.60 0.3719 0.0444

Mercury -114040-10-13 19:41 J -39931400.78 -39931400.68 -39931400.57 0.3713 0.2383

Mercury -114025-11-10 07:26 J -39925894.27 -39925894.19 -39925894.11 0.3654 0.2552

Mercury -114019-05-27 01:41 J -39923870.54 -39923870.43 -39923870.32 0.3659 0.0938

Mercury -114014-12-10 19:26 J -39921846.80 -39921846.69 -39921846.58 0.3664 0.0650

Mercury -114008-06-25 13:26 J -39919823.03 -39919822.94 -39919822.86 0.3669 0.2189

114TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 114th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-113994-04-20 17:17 J	-39914775.89	-39914775.78	-39914775.68	0.3724	0.2202		
Mercury	-113989-11-03 18:14 J	-39912751.87	-39912751.74	-39912751.60	0.3717	0.0540		
Mercury	-113983-05-20 19:55 J	-39910727.72	-39910727.67	-39910727.61	0.3711	0.3375		
Mercury	-113974-12-02 11:31 J	-39907245.04	-39907245.02	-39907245.01	0.3650	0.3589		
Mercury	-113968-06-17 05:46 J	-39905221.36	-39905221.26	-39905221.17	0.3655	0.1953		
Mercury	-113963-12-31 23:46 J	-39903197.63	-39903197.51	-39903197.40	0.3660	0.0371		
Mercury	-113957-07-16 17:31 J	-39901173.87	-39901173.77	-39901173.66	0.3666	0.1215		
Mercury	-113951-01-30 11:17 J	-39899150.10	-39899150.03	-39899149.96	0.3671	0.2740		
Mercury	-113938-11-25 17:02 J	-39894102.91	-39894102.79	-39894102.66	0.3722	0.1272		
Mercury	-113932-06-10 18:14 J	-39892078.86	-39892078.74	-39892078.61	0.3716	0.1483		
Mercury	-113917-07-08 09:36 J	-39886572.16	-39886572.10	-39886572.04	0.3651	0.2983		

Mercury -113911-01-22 03:50 J -39884548.45 -39884548.34 -39884548.24 0.3656 0.1369

Mercury -113906-08-07 21:50 J -39882524.71 -39882524.59 -39882524.48 0.3662 0.0247

Mercury -113900-02-20 15:36 J -39880500.95 -39880500.85 -39880500.75 0.3667 0.1777

Mercury -113895-09-06 09:22 J -39878477.16 -39878477.11 -39878477.06 0.3672 0.3294

Mercury -113887-12-16 16:05 J -39875453.91 -39875453.83 -39875453.75 0.3727 0.3014

Mercury -113881-07-01 17:02 J -39873429.93 -39873429.79 -39873429.66 0.3720 0.0370

Mercury -113875-01-15 18:29 J -39871405.83 -39871405.73 -39871405.63 0.3714 0.2453

Mercury -113860-02-12 07:41 J -39865899.26 -39865899.18 -39865899.09 0.3653 0.2382

Mercury -113855-08-29 01:55 J -39863875.53 -39863875.42 -39863875.31 0.3658 0.0778

Mercury -113849-03-13 19:55 J -39861851.78 -39861851.67 -39861851.56 0.3663 0.0801

Mercury -113844-09-27 13:41 J -39859828.01 -39859827.93 -39859827.84 0.3668 0.2341

Mercury -113830-07-23 15:50 J -39854780.95 -39854780.84 -39854780.73 0.3725 0.2102

Mercury -113824-02-05 17:02 J -39852756.93 -39852756.79 -39852756.66 0.3719 0.0609

Mercury -113819-08-22 18:29 J -39850732.77 -39850732.73 -39850732.68 0.3712 0.3438

Mercury -113809-03-05 11:46 J -39847250.05 -39847250.01 -39847249.98 0.3649 0.3415

Mercury -113804-09-19 06:00 J -39845226.35 -39845226.25 -39845226.15 0.3654 0.1779

Mercury -113798-04-05 00:00 J -39843202.61 -39843202.50 -39843202.39 0.3659 0.0192

Mercury -113793-10-18 18:00 J -39841178.85 -39841178.75 -39841178.65 0.3665 0.1374

Mercury -113787-05-04 11:46 J -39839155.08 -39839155.01 -39839154.94 0.3670 0.2901

Mercury -113773-02-27 15:50 J -39834107.97 -39834107.84 -39834107.72 0.3723 0.1178

Mercury -113768-09-12 17:02 J -39832083.91 -39832083.79 -39832083.67 0.3717 0.1566

Mercury -113753-10-10 09:50 J -39826577.16 -39826577.09 -39826577.02 0.3651 0.2803

Mercury -113747-04-26 04:05 J -39824553.44 -39824553.33 -39824553.22 0.3656 0.1187

Mercury -113742-11-09 22:05 J -39822529.69 -39822529.58 -39822529.47 0.3661 0.0400

Mercury -113736-05-25 16:05 J -39820505.93 -39820505.83 -39820505.74 0.3666 0.1940

Mercury -113731-12-09 09:50 J -39818482.13 -39818482.09 -39818482.06 0.3672 0.3451

Mercury -113722-03-20 14:53 J -39815458.96 -39815458.88 -39815458.80 0.3728 0.2889

Mercury -113717-10-03 15:50 J -39813434.98 -39813434.84 -39813434.71 0.3721 0.0263

Mercury -113711-04-19 17:02 J -39811410.88 -39811410.79 -39811410.69 0.3715 0.2541

Mercury -113696-05-17 08:10 J -39805904.25 -39805904.16 -39805904.07 0.3652 0.2203

Mercury -113691-12-01 02:10 J -39803880.52 -39803880.41 -39803880.30 0.3657 0.0609

Mercury -113685-06-15 20:10 J -39801856.77 -39801856.66 -39801856.55 0.3662 0.0964

Mercury -113680-12-30 13:55 J -39799833.00 -39799832.92 -39799832.84 0.3668 0.2491

Mercury -113666-10-25 14:38 J -39794786.00 -39794785.89 -39794785.77 0.3726 0.1984

Mercury -113660-05-10 15:36 J -39792761.98 -39792761.85 -39792761.71 0.3720 0.0710

Mercury -113655-11-24 17:17 J -39790737.83 -39790737.78 -39790737.74 0.3713 0.3499

Mercury -113645-06-07 12:00 J -39787255.05 -39787255.00 -39787254.95 0.3648 0.3236

Mercury -113640-12-22 06:14 J -39785231.34 -39785231.24 -39785231.14 0.3654 0.1619

Mercury -113634-07-08 00:14 J -39783207.60 -39783207.49 -39783207.37 0.3659 0.0105

Mercury -113628-01-20 18:14 J -39781183.84 -39781183.74 -39781183.64 0.3664 0.1523

Mercury -113623-08-06 12:00 J -39779160.06 -39779160.00 -39779159.94 0.3669 0.3043

Mercury -113615-11-15 13:55 J -39776136.94 -39776136.92 -39776136.90 0.3731 0.3661

Mercury -113609-05-31 14:38 J -39774113.02 -39774112.89 -39774112.77 0.3724 0.1071

Mercury -113604-12-15 15:50 J -39772088.96 -39772088.84 -39772088.72 0.3718 0.1652

Mercury -113588-01-12 10:05 J -39766582.16 -39766582.08 -39766582.00 0.3650 0.2638

Mercury -113583-07-29 04:19 J -39764558.43 -39764558.32 -39764558.21 0.3655 0.1030

Mercury -113577-02-11 22:19 J -39762534.68 -39762534.57 -39762534.45 0.3660 0.0568

Mercury -113572-08-27 16:19 J -39760510.91 -39760510.82 -39760510.73 0.3665 0.2085

Mercury -113566-03-13 10:05 J -39758487.10 -39758487.08 -39758487.06 0.3671 0.3593

Mercury -113558-06-22 13:41 J -39755464.01 -39755463.93 -39755463.84 0.3729 0.2777

Mercury -113552-01-05 14:24 J -39753440.03 -39753439.90 -39753439.76 0.3723 0.0195

Mercury -113547-07-22 15:36 J -39751415.94 -39751415.85 -39751415.75 0.3716 0.2590

Mercury -113532-08-19 08:24 J -39745909.25 -39745909.15 -39745909.06 0.3651 0.2044

Mercury -113526-03-05 02:24 J -39743885.51 -39743885.40 -39743885.28 0.3656 0.0458

Mercury -113521-09-17 20:38 J -39741861.75 -39741861.64 -39741861.54 0.3662 0.1129

Mercury -113515-04-03 14:24 J -39739837.98 -39739837.90 -39739837.82 0.3667 0.2644

Mercury -113501-01-27 13:26 J -39734791.05 -39734790.94 -39734790.82 0.3727 0.1879

Mercury -113496-08-12 14:24 J -39732767.03 -39732766.90 -39732766.77 0.3721 0.0786

Mercury -113490-02-26 15:50 J -39730742.88 -39730742.84 -39730742.81 0.3714 0.3545

Mercury -113481-09-09 12:14 J -39727260.05 -39727259.99 -39727259.93 0.3648 0.3061

Mercury -113475-03-26 06:29 J -39725236.33 -39725236.23 -39725236.13 0.3653 0.1448

Mercury -113470-10-10 00:43 J -39723212.59 -39723212.47 -39723212.36 0.3658 0.0159

Mercury -113464-04-24 18:43 J -39721188.82 -39721188.72 -39721188.62 0.3663 0.1689

Mercury -113459-11-08 12:29 J -39719165.03 -39719164.98 -39719164.93 0.3668 0.3197

Mercury -113450-02-17 12:43 J -39716142.00 -39716141.97 -39716141.93 0.3732 0.3545

Mercury -113445-09-02 13:26 J -39714118.07 -39714117.94 -39714117.81 0.3725 0.0962

Mercury -113439-03-19 14:24 J -39712094.02 -39712093.90 -39712093.78 0.3719 0.1723

Mercury -113424-04-16 10:19 J -39706587.15 -39706587.07 -39706586.98 0.3649 0.2464

Mercury -113419-10-31 04:34 J -39704563.42 -39704563.31 -39704563.20 0.3654 0.0867

Mercury -113413-05-15 22:48 J -39702539.66 -39702539.55 -39702539.44 0.3659 0.0714

Mercury -113408-11-29 16:34 J -39700515.89 -39700515.81 -39700515.72 0.3665 0.2248

Mercury -113394-09-24 12:29 J -39695469.07 -39695468.98 -39695468.88 0.3730 0.2661

Mercury -113388-04-09 13:12 J -39693445.08 -39693444.95 -39693444.81 0.3723 0.0129

Mercury -113383-10-24 14:24 J -39691420.99 -39691420.90 -39691420.81 0.3717 0.2661

Mercury -113373-05-07 14:10 J -39687937.94 -39687937.91 -39687937.88 0.3646 0.3488

Mercury -113368-11-21 08:38 J -39685914.24 -39685914.14 -39685914.05 0.3651 0.1870

Mercury -113362-06-07 02:53 J -39683890.50 -39683890.38 -39683890.27 0.3656 0.0290

Mercury -113357-12-20 20:53 J -39681866.74 -39681866.63 -39681866.53 0.3661 0.1274

Mercury -113351-07-06 14:38 J -39679842.96 -39679842.89 -39679842.81 0.3666 0.2801

Mercury -113337-04-30 12:29 J -39674796.10 -39674795.98 -39674795.87 0.3728 0.1756

Mercury -113332-11-14 13:12 J -39672772.08 -39672771.95 -39672771.82 0.3722 0.0881

Mercury -113326-05-31 14:24 J -39670747.93 -39670747.90 -39670747.87 0.3715 0.3614

Mercury -113317-12-12 12:29 J -39667265.05 -39667264.98 -39667264.92 0.3647 0.2894

Mercury -113311-06-28 06:43 J -39665241.32 -39665241.22 -39665241.11 0.3652 0.1280

Mercury -113305-01-12 00:58 J -39663217.57 -39663217.46 -39663217.35 0.3657 0.0300

Mercury -113300-07-27 18:58 J -39661193.81 -39661193.71 -39661193.61 0.3663 0.1836

Mercury -113294-02-10 12:43 J -39659170.01 -39659169.97 -39659169.92 0.3668 0.3344

Mercury -113286-05-22 11:46 J -39656147.06 -39656147.01 -39656146.96 0.3733 0.3407

Mercury -113281-12-05 12:14 J -39654123.12 -39654122.99 -39654122.86 0.3726 0.0858

Mercury -113275-06-21 13:12 J -39652099.07 -39652098.95 -39652098.84 0.3720 0.1796

Mercury -113260-07-19 10:34 J -39646592.15 -39646592.06 -39646591.97 0.3649 0.2297

Mercury -113254-02-02 04:48 J -39644568.41 -39644568.30 -39644568.18 0.3653 0.0711

Mercury -113249-08-17 23:02 J -39642544.65 -39642544.54 -39642544.43 0.3659 0.0862

Mercury -113243-03-03 17:02 J -39640520.87 -39640520.79 -39640520.71 0.3664 0.2394

Mercury -113230-12-27 11:31 J -39635474.11 -39635474.02 -39635473.93 0.3731 0.2535

Mercury -113224-07-12 12:00 J -39633450.13 -39633450.00 -39633449.87 0.3725 0.0041

Mercury -113218-01-26 13:12 J -39631426.04 -39631425.95 -39631425.86 0.3718 0.2730

Mercury -113209-08-09 14:24 J -39627942.95 -39627942.90 -39627942.86 0.3645 0.3327

Mercury -113203-02-23 08:53 J -39625919.23 -39625919.13 -39625919.03 0.3650 0.1707

Mercury -113198-09-09 03:07 J -39623895.49 -39623895.37 -39623895.26 0.3655 0.0136

Mercury -113192-03-24 21:07 J -39621871.72 -39621871.62 -39621871.52 0.3660 0.1425

Mercury -113187-10-08 15:07 J -39619847.94 -39619847.87 -39619847.81 0.3665 0.2945

Mercury -113173-08-02 11:17 J -39614801.15 -39614801.03 -39614800.92 0.3729 0.1661

Mercury -113167-02-16 12:00 J -39612777.13 -39612777.00 -39612776.88 0.3723 0.0949

Mercury -113162-09-02 13:12 J -39610752.97 -39610752.95 -39610752.94 0.3716 0.3670

Mercury -113152-03-16 12:29 J -39607270.05 -39607269.98 -39607269.90 0.3646 0.2731

Mercury -113147-09-30 06:58 J -39605246.32 -39605246.21 -39605246.10 0.3651 0.1116

Mercury -113141-04-15 01:12 J -39603222.56 -39603222.45 -39603222.34 0.3656 0.0455

Mercury -113136-10-29 19:12 J -39601198.79 -39601198.70 -39601198.60 0.3662 0.1992

Mercury -113130-05-15 13:12 J -39599174.98 -39599174.95 -39599174.92 0.3667 0.3493

Mercury -113122-08-24 10:48 J -39596152.11 -39596152.05 -39596152.00 0.3733 0.3289

Mercury -113116-03-09 11:02 J -39594128.17 -39594128.04 -39594127.91 0.3727 0.0769

Mercury -113111-09-23 12:00 J -39592104.12 -39592104.00 -39592103.89 0.3721 0.1874

Mercury -113096-10-21 10:48 J -39586597.14 -39586597.05 -39586596.95 0.3648 0.2128

Mercury -113090-05-07 05:17 J -39584573.39 -39584573.28 -39584573.17 0.3653 0.0532

Mercury -113085-11-19 23:17 J -39582549.63 -39582549.53 -39582549.42 0.3658 0.1029

Mercury -113079-06-05 17:17 J -39580525.85 -39580525.78 -39580525.70 0.3663 0.2551

Mercury -113065-03-30 10:34 J -39575479.16 -39575479.06 -39575478.97 0.3732 0.2419

Mercury -113060-10-14 10:48 J -39573455.18 -39573455.05 -39573454.91 0.3725 0.0190

Mercury -113054-04-30 12:00 J -39571431.09 -39571431.00 -39571430.92 0.3719 0.2808

Mercury -113045-11-11 14:38 J -39567947.95 -39567947.89 -39567947.83 0.3644 0.3149

Mercury -113039-05-28 09:07 J -39565924.22 -39565924.12 -39565924.02 0.3649 0.1534

Mercury -113034-12-12 03:22 J -39563900.47 -39563900.36 -39563900.25 0.3654 0.0043

Mercury -113028-06-26 21:36 J -39561876.71 -39561876.60 -39561876.50 0.3660 0.1592

Mercury -113022-01-10 15:22 J -39559852.92 -39559852.86 -39559852.80 0.3665 0.3087

Mercury -113009-11-04 10:05 J -39554806.19 -39554806.08 -39554805.96 0.3730 0.1547

Mercury -113003-05-21 10:48 J -39552782.18 -39552782.05 -39552781.92 0.3724 0.1039

113TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 113th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-112988-06-18 12:58 J	-39547275.04	-39547274.96	-39547274.88	0.3646	0.2557		
Mercury	-112982-01-02 07:12 J	-39545251.31	-39545251.20	-39545251.09	0.3651	0.0959		
Mercury	-112977-07-18 01:26 J	-39543227.55	-39543227.44	-39543227.33	0.3656	0.0613		
Mercury	-112971-01-31 19:41 J	-39541203.78	-39541203.68	-39541203.59	0.3661	0.2141		
Mercury	-112966-08-17 13:26 J	-39539179.95	-39539179.94	-39539179.93	0.3666	0.3625		
Mercury	-112958-11-26 09:36 J	-39536157.16	-39536157.10	-39536157.03	0.3734	0.3164		
Mercury	-112952-06-11 09:50 J	-39534133.22	-39534133.09	-39534132.96	0.3728	0.0672		
Mercury	-112947-12-26 10:48 J	-39532109.17	-39532109.05	-39532108.94	0.3722	0.1953		
Mercury	-112937-07-09 16:34 J	-39528625.83	-39528625.81	-39528625.80	0.3642	0.3588		

Mercury -112931-01-23 11:02 J -39526602.14 -39526602.04 -39526601.94 0.3647 0.1968

Mercury -112926-08-09 05:31 J -39524578.39 -39524578.27 -39524578.16 0.3652 0.0407

Mercury -112920-02-21 23:31 J -39522554.62 -39522554.52 -39522554.41 0.3657 0.1180

Mercury -112915-09-07 17:46 J -39520530.84 -39520530.76 -39520530.69 0.3662 0.2689

Mercury -112901-07-02 09:07 J -39515484.22 -39515484.12 -39515484.01 0.3733 0.2325

Mercury -112895-01-16 09:36 J -39513460.23 -39513460.10 -39513459.96 0.3727 0.0260

Mercury -112890-08-02 10:34 J -39511436.15 -39511436.06 -39511435.98 0.3720 0.2851

Mercury -112880-02-13 14:53 J -39507952.95 -39507952.88 -39507952.82 0.3643 0.2987

Mercury -112875-08-30 09:22 J -39505929.22 -39505929.11 -39505929.01 0.3648 0.1382

Mercury -112869-03-15 03:36 J -39503905.46 -39503905.35 -39503905.24 0.3653 0.0194

Mercury -112864-09-28 21:50 J -39501881.69 -39501881.59 -39501881.49 0.3659 0.1738

Mercury -112858-04-14 15:50 J -39499857.89 -39499857.84 -39499857.79 0.3664 0.3234

Mercury -112844-02-06 09:07 J -39494811.24 -39494811.12 -39494811.00 0.3731 0.1448

Mercury -112839-08-23 09:36 J -39492787.23 -39492787.10 -39492786.97 0.3725 0.1120

Mercury -112824-09-20 13:12 J -39487280.04 -39487279.95 -39487279.87 0.3645 0.2390

Mercury -112818-04-06 07:26 J -39485256.30 -39485256.19 -39485256.07 0.3650 0.0802

Mercury -112813-10-20 01:55 J -39483232.54 -39483232.42 -39483232.31 0.3655 0.0778

Mercury -112807-05-05 19:55 J -39481208.76 -39481208.67 -39481208.58 0.3660 0.2293

Mercury -112793-02-28 08:38 J -39476162.22 -39476162.14 -39476162.07 0.3735 0.3052

Mercury -112788-09-13 08:53 J -39474138.26 -39474138.13 -39474138.00 0.3729 0.0562

Mercury -112782-03-30 09:22 J -39472114.22 -39472114.11 -39472113.99 0.3723 0.2026

Mercury -112773-10-11 16:48 J -39468630.84 -39468630.80 -39468630.77 0.3641 0.3415

Mercury -112767-04-27 11:17 J -39466607.13 -39466607.03 -39466606.93 0.3646 0.1797

Mercury -112762-11-11 05:46 J -39464583.38 -39464583.26 -39464583.15 0.3651 0.0222

Mercury -112756-05-27 00:00 J -39462559.61 -39462559.50 -39462559.40 0.3656 0.1332

Mercury -112751-12-10 18:00 J -39460535.82 -39460535.75 -39460535.68 0.3662 0.2835

Mercury -112737-10-04 08:10 J -39455489.26 -39455489.16 -39455489.05 0.3734 0.2203

Mercury -112731-04-20 08:38 J -39453465.27 -39453465.14 -39453465.01 0.3727 0.0317

Mercury -112726-11-04 09:22 J -39451441.19 -39451441.11 -39451441.03 0.3721 0.2927

Mercury -112716-05-18 15:07 J -39447957.94 -39447957.87 -39447957.80 0.3643 0.2817

Mercury -112711-12-02 09:36 J -39445934.21 -39445934.10 -39445933.99 0.3648 0.1218

Mercury -112705-06-17 03:50 J -39443910.45 -39443910.34 -39443910.22 0.3653 0.0359

Mercury -112700-12-31 22:05 J -39441886.68 -39441886.58 -39441886.48 0.3658 0.1878

Mercury -112694-07-17 16:05 J -39439862.87 -39439862.83 -39439862.79 0.3663 0.3374

Mercury -112680-05-11 07:55 J -39434816.29 -39434816.17 -39434816.05 0.3732 0.1336

Mercury -112675-11-25 08:24 J -39432792.27 -39432792.15 -39432792.02 0.3726 0.1201

Mercury -112660-12-23 13:12 J -39427285.04 -39427284.95 -39427284.86 0.3644 0.2232

Mercury -112654-07-09 07:41 J -39425261.29 -39425261.18 -39425261.06 0.3649 0.0643

Mercury -112648-01-22 01:55 J -39423237.53 -39423237.42 -39423237.31 0.3654 0.0923

Mercury -112643-08-07 20:10 J -39421213.74 -39421213.66 -39421213.58 0.3659 0.2428

Mercury -112629-06-01 07:41 J -39416167.26 -39416167.18 -39416167.11 0.3736 0.2933

Mercury -112624-12-16 07:41 J -39414143.31 -39414143.18 -39414143.05 0.3730 0.0474

Mercury -112618-07-02 08:10 J -39412119.27 -39412119.16 -39412119.05 0.3724 0.2082

Mercury -112608-01-13 16:48 J -39408635.85 -39408635.80 -39408635.75 0.3641 0.3257

Mercury -112603-07-30 11:31 J -39406612.12 -39406612.02 -39406611.92 0.3646 0.1642

Mercury -112597-02-13 06:00 J -39404588.37 -39404588.25 -39404588.14 0.3651 0.0082

Mercury -112592-08-29 00:14 J -39402564.59 -39402564.49 -39402564.39 0.3656 0.1473

Mercury -112586-03-14 18:14 J -39400540.80 -39400540.74 -39400540.67 0.3661 0.2977

Mercury -112572-01-06 07:12 J -39395494.30 -39395494.20 -39395494.09 0.3735 0.2080

Mercury -112567-07-23 07:26 J -39393470.32 -39393470.19 -39393470.06 0.3728 0.0392

Mercury -112561-02-06 08:10 J -39391446.24 -39391446.16 -39391446.08 0.3722 0.2988

Mercury -112552-08-20 15:07 J -39387962.95 -39387962.87 -39387962.79 0.3642 0.2660

Mercury -112546-03-06 09:50 J -39385939.20 -39385939.09 -39385938.98 0.3647 0.1061

Mercury -112541-09-19 04:05 J -39383915.44 -39383915.33 -39383915.21 0.3652 0.0517

Mercury -112535-04-04 22:19 J -39381891.66 -39381891.57 -39381891.47 0.3657 0.2027

Mercury -112530-10-19 16:19 J -39379867.84 -39379867.82 -39379867.79 0.3662 0.3522

Mercury -112521-01-28 06:58 J -39376845.23 -39376845.21 -39376845.18 0.3739 0.3642

Mercury -112516-08-13 06:58 J -39374821.33 -39374821.21 -39374821.09 0.3733 0.1236

Mercury -112510-02-27 07:12 J -39372797.32 -39372797.20 -39372797.08 0.3727 0.1265

Mercury -112495-03-27 13:26 J -39367290.03 -39367289.94 -39367289.84 0.3644 0.2069

Mercury -112490-10-11 07:55 J -39365266.28 -39365266.17 -39365266.05 0.3648 0.0493

Mercury -112484-04-26 02:24 J -39363242.51 -39363242.40 -39363242.29 0.3654 0.1070

Mercury -112479-11-09 20:24 J -39361218.72 -39361218.65 -39361218.57 0.3659 0.2579

Mercury -112465-09-03 06:43 J -39356172.31 -39356172.22 -39356172.14 0.3737 0.2811

Mercury -112459-03-20 06:43 J -39354148.35 -39354148.22 -39354148.10 0.3731 0.0405

Mercury -112454-10-04 07:12 J -39352124.31 -39352124.20 -39352124.10 0.3725 0.2161

Mercury -112444-04-17 17:02 J -39348640.85 -39348640.79 -39348640.73 0.3640 0.3090

Mercury -112439-11-01 11:46 J -39346617.12 -39346617.01 -39346616.91 0.3645 0.1481

Mercury -112433-05-17 06:14 J -39344593.35 -39344593.24 -39344593.13 0.3650 0.0093

Mercury -112428-12-01 00:29 J -39342569.58 -39342569.48 -39342569.38 0.3655 0.1623

Mercury -112422-06-16 18:43 J -39340545.78 -39340545.72 -39340545.67 0.3660 0.3120

Mercury -112408-04-10 06:14 J -39335499.35 -39335499.24 -39335499.13 0.3735 0.1969

Mercury -112403-10-25 06:14 J -39333475.37 -39333475.24 -39333475.11 0.3729 0.0495

Mercury -112397-05-10 06:58 J -39331451.28 -39331451.21 -39331451.13 0.3723 0.3054

Mercury -112388-11-22 15:22 J -39327967.94 -39327967.86 -39327967.78 0.3642 0.2493

Mercury -112382-06-08 10:05 J -39325944.19 -39325944.08 -39325943.97 0.3646 0.0901

Mercury -112377-12-22 04:19 J -39323920.43 -39323920.32 -39323920.20 0.3652 0.0660

Mercury -112371-07-07 22:34 J -39321896.65 -39321896.56 -39321896.47 0.3657 0.2178

Mercury -112365-01-21 16:48 J -39319872.81 -39319872.80 -39319872.80 0.3662 0.3653

Mercury -112357-05-01 06:00 J -39316850.29 -39316850.25 -39316850.20 0.3740 0.3511

Mercury -112352-11-15 06:00 J -39314826.38 -39314826.25 -39314826.13 0.3734 0.1130

Mercury -112346-06-01 06:14 J -39312802.37 -39312802.24 -39312802.12 0.3728 0.1359

Mercury -112337-12-13 18:58 J -39309318.74 -39309318.71 -39309318.69 0.3638 0.3524

Mercury -112331-06-29 13:41 J -39307295.03 -39307294.93 -39307294.83 0.3643 0.1903

Mercury -112325-01-13 08:10 J -39305271.27 -39305271.16 -39305271.04 0.3648 0.0337

Mercury -112320-07-29 02:38 J -39303247.50 -39303247.39 -39303247.28 0.3653 0.1215

Mercury -112314-02-11 20:53 J -39301223.71 -39301223.63 -39301223.56 0.3658 0.2719

Mercury -112301-12-06 05:46 J -39296177.35 -39296177.26 -39296177.17 0.3738 0.2686

Mercury -112295-06-22 05:31 J -39294153.40 -39294153.27 -39294153.14 0.3732 0.0290

Mercury -112289-01-06 06:00 J -39292129.35 -39292129.25 -39292129.15 0.3726 0.2235

Mercury -112280-07-20 17:17 J -39288645.85 -39288645.78 -39288645.71 0.3640 0.2929

Mercury -112274-02-03 12:00 J -39286622.11 -39286622.00 -39286621.90 0.3644 0.1328

Mercury -112269-08-19 06:29 J -39284598.35 -39284598.23 -39284598.12 0.3649 0.0251

Mercury -112263-03-05 00:43 J -39282574.57 -39282574.47 -39282574.37 0.3654 0.1767

Mercury -112258-09-18 18:58 J -39280550.76 -39280550.71 -39280550.66 0.3659 0.3257

Mercury -112244-07-13 05:02 J -39275504.40 -39275504.29 -39275504.17 0.3736 0.1884

Mercury -112238-01-27 05:17 J -39273480.41 -39273480.28 -39273480.15 0.3730 0.0564

Mercury -112233-08-12 05:46 J -39271456.33 -39271456.26 -39271456.19 0.3724 0.3101

Mercury -112223-02-24 15:36 J -39267972.94 -39267972.85 -39267972.76 0.3641 0.2336

Mercury -112218-09-10 10:05 J -39265949.19 -39265949.08 -39265948.96 0.3646 0.0762

Mercury -112212-03-26 04:34 J -39263925.42 -39263925.31 -39263925.20 0.3651 0.0805

Mercury -112207-10-09 23:02 J -39261901.63 -39261901.54 -39261901.46 0.3656 0.2319

Mercury -112193-08-03 05:02 J -39256855.34 -39256855.29 -39256855.24 0.3740 0.3398

Mercury -112187-02-17 04:48 J -39254831.42 -39254831.30 -39254831.18 0.3735 0.1044

Mercury -112182-09-03 05:02 J -39252807.41 -39252807.29 -39252807.17 0.3728 0.1431

Mercury -112172-03-17 18:58 J -39249323.75 -39249323.71 -39249323.67 0.3637 0.3367

Mercury -112167-10-01 13:55 J -39247300.02 -39247299.92 -39247299.82 0.3642 0.1746

Mercury -112161-04-16 08:24 J -39245276.26 -39245276.15 -39245276.03 0.3647 0.0187

Mercury -112156-10-31 02:53 J -39243252.49 -39243252.38 -39243252.27 0.3652 0.1361

Mercury -112150-05-16 21:07 J -39241228.69 -39241228.62 -39241228.55 0.3657 0.2862

Mercury -112136-03-10 04:34 J -39236182.40 -39236182.31 -39236182.22 0.3739 0.2586

Mercury -112131-09-24 04:34 J -39234158.44 -39234158.31 -39234158.18 0.3733 0.0197

Mercury -112125-04-09 04:48 J -39232134.40 -39232134.30 -39232134.20 0.3727 0.2302

Mercury -112116-10-22 17:31 J -39228650.85 -39228650.77 -39228650.70 0.3639 0.2764

Mercury -112110-05-08 12:14 J -39226627.10 -39226626.99 -39226626.88 0.3644 0.1164

Mercury -112105-11-21 06:43 J -39224603.33 -39224603.22 -39224603.11 0.3649 0.0393

Mercury -112099-06-07 01:12 J -39222579.55 -39222579.45 -39222579.36 0.3654 0.1921

Mercury -112094-12-21 19:12 J -39220555.74 -39220555.70 -39220555.66 0.3659 0.3395

Mercury -112080-10-15 04:19 J -39215509.44 -39215509.32 -39215509.21 0.3737 0.1763

Mercury -112074-05-01 04:19 J -39213485.45 -39213485.32 -39213485.19 0.3731 0.0662

Mercury -112069-11-14 04:34 J -39211461.37 -39211461.31 -39211461.24 0.3725 0.3175

Mercury -112059-05-29 15:50 J -39207977.93 -39207977.84 -39207977.75 0.3640 0.2171

Mercury -112054-12-13 10:19 J -39205954.18 -39205954.07 -39205953.95 0.3645 0.0606

Mercury -112048-06-28 05:02 J -39203930.41 -39203930.29 -39203930.18 0.3650 0.0963

Mercury -112042-01-11 23:17 J -39201906.62 -39201906.53 -39201906.45 0.3655 0.2454

Mercury -112029-11-05 04:19 J -39196860.38 -39196860.32 -39196860.26 0.3741 0.3270

Mercury -112023-05-22 03:50 J -39194836.46 -39194836.34 -39194836.21 0.3736 0.0936

Mercury -112018-12-06 04:05 J -39192812.45 -39192812.33 -39192812.21 0.3729 0.1511

Mercury -112008-06-19 19:12 J -39189328.75 -39189328.70 -39189328.65 0.3637 0.3201

Mercury -112002-01-03 13:55 J -39187305.02 -39187304.92 -39187304.81 0.3642 0.1602

112TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 112th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
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Mercury -111997-07-19 08:38 J -39185281.25 -39185281.14 -39185281.02 0.3647 0.0032

Mercury -111991-02-02 03:07 J -39183257.48 -39183257.37 -39183257.27 0.3651 0.1500

Mercury -111986-08-18 21:22 J -39181233.67 -39181233.61 -39181233.55 0.3657 0.2989

Mercury -111972-06-12 03:36 J -39176187.44 -39176187.35 -39176187.25 0.3740 0.2477

Mercury -111967-12-27 03:36 J -39174163.48 -39174163.35 -39174163.22 0.3734 0.0131

Mercury -111961-07-12 03:36 J -39172139.45 -39172139.35 -39172139.25 0.3728 0.2349

Mercury -111951-01-24 17:31 J -39168655.85 -39168655.77 -39168655.69 0.3638 0.2612

Mercury -111946-08-10 12:14 J -39166632.10 -39166631.99 -39166631.88 0.3643 0.1025

Mercury -111940-02-23 06:58 J -39164608.33 -39164608.21 -39164608.10 0.3648 0.0541

Mercury -111935-09-09 01:12 J -39162584.54 -39162584.45 -39162584.35 0.3653 0.2050

Mercury -111929-03-24 19:26 J -39160560.71 -39160560.69 -39160560.66 0.3658 0.3525

Mercury -111915-01-17 03:22 J -39155514.48 -39155514.36 -39155514.25 0.3738 0.1662

Mercury -111910-08-03 03:07 J -39153490.50 -39153490.37 -39153490.24 0.3732 0.0726

Mercury -111904-02-16 03:22 J -39151466.42 -39151466.36 -39151466.29 0.3726 0.3217

Mercury -111895-08-31 15:50 J -39147982.93 -39147982.84 -39147982.74 0.3639 0.2024

Mercury -111889-03-16 10:34 J -39145959.17 -39145959.06 -39145958.94 0.3644 0.0450

Mercury -111884-09-30 05:02 J -39143935.39 -39143935.29 -39143935.18 0.3649 0.1108

Mercury -111878-04-15 23:31 J -39141911.60 -39141911.52 -39141911.44 0.3654 0.2593

Mercury -111864-02-07 03:22 J -39136865.43 -39136865.36 -39136865.30 0.3742 0.3159

Mercury -111859-08-24 02:53 J -39134841.50 -39134841.38 -39134841.25 0.3736 0.0839

Mercury -111853-03-09 02:53 J -39132817.50 -39132817.38 -39132817.26 0.3730 0.1569

Mercury -111844-09-21 19:26 J -39129333.75 -39129333.69 -39129333.63 0.3636 0.3038

Mercury -111838-04-07 14:10 J -39127310.01 -39127309.91 -39127309.80 0.3641 0.1444

Mercury -111833-10-21 08:53 J -39125286.24 -39125286.13 -39125286.01 0.3646 0.0141

Mercury -111827-05-07 03:22 J -39123262.46 -39123262.36 -39123262.26 0.3651 0.1651

Mercury -111822-11-20 21:36 J -39121238.65 -39121238.60 -39121238.54 0.3656 0.3134

Mercury -111808-09-14 02:53 J -39116192.48 -39116192.38 -39116192.28 0.3740 0.2356

Mercury -111802-03-31 02:38 J -39114168.52 -39114168.39 -39114168.27 0.3734 0.0126

Mercury -111797-10-14 02:38 J -39112144.49 -39112144.39 -39112144.29 0.3728 0.2422

Mercury -111787-04-28 17:46 J -39108660.85 -39108660.76 -39108660.68 0.3637 0.2449

Mercury -111782-11-12 12:29 J -39106637.09 -39106636.98 -39106636.87 0.3642 0.0868

Mercury -111776-05-28 07:12 J -39104613.31 -39104613.20 -39104613.09 0.3647 0.0687

Mercury -111771-12-12 01:26 J -39102589.53 -39102589.44 -39102589.34 0.3652 0.2194

Mercury -111751-04-21 02:24 J -39095519.52 -39095519.40 -39095519.29 0.3739 0.1555

Mercury -111746-11-05 02:10 J -39093495.54 -39093495.41 -39093495.28 0.3733 0.0810

Mercury -111740-05-21 02:24 J -39091471.46 -39091471.40 -39091471.34 0.3727 0.3278

Mercury -111736-05-19 21:07 J -39090011.65 -39090011.62 -39090011.59 0.3634 0.3474

Mercury -111731-12-03 16:05 J -39087987.93 -39087987.83 -39087987.73 0.3639 0.1870

Mercury -111725-06-18 10:48 J -39085964.16 -39085964.05 -39085963.93 0.3644 0.0297

Mercury -111719-01-02 05:17 J -39083940.39 -39083940.28 -39083940.17 0.3649 0.1233

Mercury -111714-07-18 23:45 J -39081916.58 -39081916.51 -39081916.44 0.3654 0.2729

Mercury -111700-05-12 02:24 J -39076870.47 -39076870.40 -39076870.33 0.3743 0.3037

Mercury -111695-11-26 01:55 J -39074846.54 -39074846.42 -39074846.29 0.3737 0.0742

Mercury -111689-06-11 01:55 J -39072822.54 -39072822.42 -39072822.31 0.3731 0.1649

Mercury -111680-12-24 19:26 J -39069338.76 -39069338.69 -39069338.62 0.3636 0.2889

Mercury -111674-07-10 14:24 J -39067315.01 -39067314.90 -39067314.79 0.3640 0.1290

Mercury -111668-01-23 09:07 J -39065291.24 -39065291.12 -39065291.01 0.3645 0.0272

Mercury -111663-08-09 03:36 J -39063267.45 -39063267.35 -39063267.25 0.3650 0.1781

Mercury -111657-02-22 21:50 J -39061243.64 -39061243.59 -39061243.54 0.3655 0.3264

Mercury -111644-12-17 01:55 J -39056197.52 -39056197.42 -39056197.32 0.3741 0.2245

Mercury -111638-07-03 01:26 J -39054173.57 -39054173.44 -39054173.31 0.3735 0.0093

Mercury -111632-01-16 01:41 J -39052149.53 -39052149.43 -39052149.34 0.3730 0.2493

Mercury -111623-07-31 17:45 J -39048665.85 -39048665.76 -39048665.67 0.3637 0.2302

Mercury -111617-02-14 12:43 J -39046642.08 -39046641.97 -39046641.86 0.3642 0.0716

Mercury -111612-08-30 07:26 J -39044618.31 -39044618.19 -39044618.08 0.3647 0.0833

Mercury -111606-03-16 01:55 J -39042594.51 -39042594.42 -39042594.34 0.3652 0.2331

Mercury -111592-01-07 02:09 J -39037548.43 -39037548.41 -39037548.39 0.3745 0.3698

Mercury -111587-07-24 01:26 J -39035524.56 -39035524.44 -39035524.33 0.3740 0.1463

Mercury -111581-02-07 01:12 J -39033500.58 -39033500.45 -39033500.33 0.3734 0.0890

Mercury -111576-08-23 01:12 J -39031476.50 -39031476.45 -39031476.39 0.3728 0.3337

Mercury -111572-08-21 21:07 J -39030016.66 -39030016.62 -39030016.57 0.3633 0.3327

Mercury -111566-03-07 16:19 J -39027992.93 -39027992.82 -39027992.72 0.3638 0.1723

Mercury -111561-09-20 11:02 J -39025969.16 -39025969.04 -39025968.93 0.3643 0.0152

Mercury -111555-04-06 05:31 J -39023945.37 -39023945.27 -39023945.16 0.3648 0.1374

Mercury -111550-10-21 00:00 J -39021921.57 -39021921.50 -39021921.43 0.3653 0.2865

Mercury -111536-08-14 01:26 J -39016875.51 -39016875.44 -39016875.36 0.3744 0.2930

Mercury -111530-02-28 00:57 J -39014851.59 -39014851.46 -39014851.34 0.3738 0.0663

Mercury -111525-09-13 00:43 J -39012827.58 -39012827.47 -39012827.35 0.3732 0.1716

Mercury -111515-03-28 19:41 J -39009343.76 -39009343.68 -39009343.61 0.3635 0.2740

Mercury -111510-10-12 14:38 J -39007320.00 -39007319.89 -39007319.78 0.3640 0.1144

Mercury -111504-04-27 09:21 J -39005296.23 -39005296.11 -39005296.00 0.3644 0.0420

Mercury -111499-11-11 03:50 J -39003272.44 -39003272.34 -39003272.24 0.3649 0.1921

Mercury -111493-05-26 22:19 J -39001248.61 -39001248.57 -39001248.54 0.3654 0.3399

Mercury -111479-03-21 00:57 J -38996202.56 -38996202.46 -38996202.36 0.3742 0.2149

Mercury -111474-10-05 00:29 J -38994178.61 -38994178.48 -38994178.35 0.3736 0.0166

Mercury -111468-04-20 00:29 J -38992154.57 -38992154.48 -38992154.38 0.3730 0.2552

Mercury -111459-11-02 18:00 J -38988670.84 -38988670.75 -38988670.66 0.3636 0.2147

Mercury -111453-05-18 12:57 J -38986647.08 -38986646.96 -38986646.85 0.3641 0.0568

Mercury -111448-12-02 07:26 J -38984623.30 -38984623.19 -38984623.07 0.3646 0.0976

Mercury -111442-06-18 02:09 J -38982599.50 -38982599.41 -38982599.33 0.3651 0.2465

Mercury -111428-04-11 01:26 J -38977553.48 -38977553.44 -38977553.41 0.3746 0.3577

Mercury -111423-10-26 00:29 J -38975529.60 -38975529.48 -38975529.36 0.3740 0.1355

Mercury -111417-05-11 00:14 J -38973505.62 -38973505.49 -38973505.37 0.3735 0.0972

Mercury -111412-11-25 00:14 J -38971481.54 -38971481.49 -38971481.44 0.3729 0.3393

Mercury -111408-11-23 21:21 J -38970021.67 -38970021.61 -38970021.56 0.3633 0.3166

Mercury -111402-06-09 16:19 J -38967997.92 -38967997.82 -38967997.71 0.3638 0.1566

Mercury -111397-12-23 11:17 J -38965974.15 -38965974.03 -38965973.92 0.3643 0.0125

Mercury -111391-07-09 05:45 J -38963950.36 -38963950.26 -38963950.15 0.3647 0.1518

Mercury -111385-01-23 00:14 J -38961926.55 -38961926.49 -38961926.43 0.3652 0.2991

Mercury -111372-11-16 00:43 J -38956880.55 -38956880.47 -38956880.39 0.3744 0.2807

Mercury -111366-06-02 00:00 J -38954856.62 -38954856.50 -38954856.37 0.3739 0.0565

Mercury -111361-12-15 23:45 J -38952832.62 -38952832.51 -38952832.39 0.3733 0.1792

Mercury -111351-06-30 19:41 J -38949348.76 -38949348.68 -38949348.60 0.3634 0.2579

Mercury -111345-01-14 14:38 J -38947325.00 -38947324.89 -38947324.78 0.3639 0.0999

Mercury -111340-07-30 09:21 J -38945301.22 -38945301.11 -38945300.99 0.3644 0.0570

Mercury -111334-02-13 04:05 J -38943277.42 -38943277.33 -38943277.24 0.3649 0.2057

Mercury -111329-08-28 22:19 J -38941253.59 -38941253.57 -38941253.54 0.3654 0.3519

Mercury -111315-06-23 00:14 J -38936207.60 -38936207.49 -38936207.39 0.3743 0.2042

Mercury -111309-01-06 23:31 J -38934183.64 -38934183.52 -38934183.39 0.3737 0.0273

Mercury -111304-07-22 23:31 J -38932159.62 -38932159.52 -38932159.43 0.3731 0.2602

Mercury -111300-07-21 23:02 J -38930699.55 -38930699.54 -38930699.53 0.3631 0.3612

Mercury -111294-02-04 18:00 J -38928675.84 -38928675.75 -38928675.65 0.3636 0.2004

Mercury -111289-08-20 12:57 J -38926652.07 -38926651.96 -38926651.84 0.3640 0.0436

Mercury -111283-03-06 07:41 J -38924628.29 -38924628.18 -38924628.07 0.3645 0.1103

Mercury -111278-09-20 02:09 J -38922604.48 -38922604.41 -38922604.33 0.3650 0.2595

Mercury -111264-07-14 00:29 J -38917558.53 -38917558.48 -38917558.44 0.3747 0.3476

Mercury -111258-01-27 23:31 J -38915534.64 -38915534.52 -38915534.40 0.3741 0.1267

Mercury -111253-08-12 23:02 J -38913510.66 -38913510.54 -38913510.41 0.3735 0.1034

Mercury -111247-02-26 23:02 J -38911486.59 -38911486.54 -38911486.49 0.3729 0.3425

Mercury -111243-02-25 21:21 J -38910026.67 -38910026.61 -38910026.55 0.3632 0.3018

Mercury -111238-09-11 16:33 J -38908002.92 -38908002.81 -38908002.71 0.3637 0.1429

Mercury -111232-03-27 11:17 J -38905979.14 -38905979.03 -38905978.91 0.3642 0.0146

Mercury -111227-10-11 06:00 J -38903955.35 -38903955.25 -38903955.15 0.3647 0.1652

Mercury -111221-04-26 00:29 J -38901931.54 -38901931.48 -38901931.42 0.3652 0.3121

Mercury -111207-02-17 23:45 J -38896885.59 -38896885.51 -38896885.42 0.3745 0.2711

Mercury -111202-09-03 23:02 J -38894861.66 -38894861.54 -38894861.41 0.3740 0.0493

Mercury -111196-03-19 22:48 J -38892837.66 -38892837.55 -38892837.44 0.3734 0.1846

Mercury -111187-10-02 19:55 J -38889353.76 -38889353.67 -38889353.59 0.3634 0.2428

Mercury -111181-04-17 14:53 J -38887329.99 -38887329.88 -38887329.77 0.3638 0.0850

Mercury -111176-11-01 09:36 J -38885306.21 -38885306.10 -38885305.98 0.3643 0.0702

Mercury -111170-05-18 04:19 J -38883282.41 -38883282.32 -38883282.23 0.3648 0.2196

Mercury -111165-11-30 22:48 J -38881258.55 -38881258.55 -38881258.55 0.3653 0.3651

Mercury -111151-09-24 23:17 J -38876212.63 -38876212.53 -38876212.42 0.3744 0.1933

Mercury -111145-04-09 22:48 J -38874188.68 -38874188.55 -38874188.43 0.3738 0.0337

Mercury -111140-10-24 22:33 J -38872164.65 -38872164.56 -38872164.47 0.3732 0.2669

Mercury -111136-10-23 23:02 J -38870704.57 -38870704.54 -38870704.50 0.3630 0.3452

Mercury -111130-05-09 18:14 J -38868680.84 -38868680.74 -38868680.64 0.3635 0.1844

Mercury -111125-11-22 13:12 J -38866657.07 -38866656.95 -38866656.83 0.3640 0.0284

Mercury -111119-06-08 07:55 J -38864633.27 -38864633.17 -38864633.06 0.3645 0.1249

Mercury -111114-12-23 02:38 J -38862609.47 -38862609.39 -38862609.32 0.3650 0.2727

Mercury -111100-10-15 23:45 J -38857563.57 -38857563.51 -38857563.46 0.3748 0.3348

Mercury -111094-05-01 22:48 J -38855539.67 -38855539.55 -38855539.43 0.3742 0.1158

Mercury -111089-11-14 22:19 J -38853515.69 -38853515.57 -38853515.45 0.3736 0.1119

Mercury -111083-05-31 22:05 J -38851491.62 -38851491.58 -38851491.53 0.3731 0.3490

Mercury -111079-05-30 21:36 J -38850031.67 -38850031.60 -38850031.53 0.3632 0.2862

Mercury -111074-12-14 16:33 J -38848007.92 -38848007.81 -38848007.70 0.3637 0.1278

Mercury -111068-06-29 11:31 J -38845984.13 -38845984.02 -38845983.90 0.3641 0.0276

Mercury -111062-01-13 06:14 J -38843960.34 -38843960.24 -38843960.14 0.3646 0.1778

Mercury -111057-07-29 00:43 J -38841936.52 -38841936.47 -38841936.42 0.3651 0.3248

Mercury -111043-05-22 23:02 J -38836890.63 -38836890.54 -38836890.45 0.3746 0.2591

Mercury -111038-12-06 22:19 J -38834866.70 -38834866.57 -38834866.44 0.3740 0.0387

Mercury -111032-06-21 21:50 J -38832842.70 -38832842.59 -38832842.48 0.3735 0.1911

Mercury -111022-01-04 19:55 J -38829358.76 -38829358.67 -38829358.58 0.3633 0.2291

Mercury -111017-07-20 14:53 J -38827334.99 -38827334.88 -38827334.76 0.3638 0.0719

Mercury -111011-02-03 09:50 J -38825311.20 -38825311.09 -38825310.98 0.3643 0.0822

Mercury -111006-08-20 04:33 J -38823287.40 -38823287.31 -38823287.23 0.3648 0.2317

111TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 111th millennium BCE.

PLANET	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
	TRANSIT							
	TIME							
Mercury	-110987-12-27 22:33 J	-38816217.67	-38816217.56	-38816217.45	0.3745	0.1835		
Mercury	-110981-07-12 21:36 J	-38814193.72	-38814193.60	-38814193.47	0.3739	0.0406		
Mercury	-110975-01-26 21:21 J	-38812169.69	-38812169.61	-38812169.52	0.3733	0.2722		
Mercury	-110971-01-25 23:02 J	-38810709.58	-38810709.54	-38810709.49	0.3630	0.3312		
Mercury	-110966-08-11 18:14 J	-38808685.84	-38808685.74	-38808685.63	0.3634	0.1713		
Mercury	-110960-02-24 13:26 J	-38806662.06	-38806661.94	-38806661.83	0.3639	0.0192		
Mercury	-110955-09-10 08:09 J	-38804638.27	-38804638.16	-38804638.05	0.3644	0.1370		
Mercury	-110949-03-26 02:38 J	-38802614.46	-38802614.39	-38802614.32	0.3649	0.2851		
Mercury	-110935-01-17 23:02 J	-38797568.60	-38797568.54	-38797568.48	0.3749	0.3230		
Mercury	-110930-08-03 21:50 J	-38795544.71	-38795544.59	-38795544.47	0.3743	0.1077		
Mercury	-110924-02-16 21:21 J	-38793520.73	-38793520.61	-38793520.49	0.3737	0.1185		
Mercury	-110919-09-02 21:07 J	-38791496.66	-38791496.62	-38791496.58	0.3731	0.3535		
Mercury	-110915-09-01 21:36 J	-38790036.68	-38790036.60	-38790036.52	0.3631	0.2722		
Mercury	-110909-03-17 16:48 J	-38788012.91	-38788012.80	-38788012.69	0.3636	0.1135		
Mercury	-110904-10-01 11:45 J	-38785989.13	-38785989.01	-38785988.90	0.3641	0.0417		
Mercury	-110898-04-17 06:29 J	-38783965.33	-38783965.23	-38783965.13	0.3645	0.1912		
Mercury	-110893-10-31 00:57 J	-38781941.50	-38781941.46	-38781941.42	0.3650	0.3379		
Mercury	-110879-08-24 22:19 J	-38776895.66	-38776895.57	-38776895.48	0.3747	0.2482		
Mercury	-110873-03-09 21:21 J	-38774871.74	-38774871.61	-38774871.48	0.3741	0.0307		
Mercury	-110868-09-23 20:53 J	-38772847.74	-38772847.63	-38772847.52	0.3735	0.1980		
Mercury	-110858-04-08 19:55 J	-38769363.76	-38769363.67	-38769363.57	0.3632	0.2144		
Mercury	-110853-10-22 15:07 J	-38767339.98	-38767339.87	-38767339.75	0.3637	0.0567		
Mercury	-110847-05-08 10:05 J	-38765316.19	-38765316.08	-38765315.97	0.3642	0.0965		
Mercury	-110842-11-22 04:48 J	-38763292.39	-38763292.30	-38763292.22	0.3647	0.2450		
Mercury	-110822-03-31 21:36 J	-38756222.71	-38756222.60	-38756222.49	0.3745	0.1738		
Mercury	-110817-10-14 20:53 J	-38754198.76	-38754198.63	-38754198.50	0.3740	0.0474		

Mercury -110811-04-30 20:38 J -38752174.73 -38752174.64 -38752174.56 0.3734 0.2782

Mercury -110807-04-29 23:17 J -38750714.59 -38750714.53 -38750714.48 0.3629 0.3160

Mercury -110802-11-13 18:29 J -38748690.84 -38748690.73 -38748690.62 0.3634 0.1563

Mercury -110796-05-29 13:26 J -38746667.05 -38746666.94 -38746666.82 0.3639 0.0100

Mercury -110791-12-13 08:24 J -38744643.26 -38744643.15 -38744643.05 0.3644 0.1506

Mercury -110785-06-28 02:53 J -38742619.44 -38742619.38 -38742619.31 0.3648 0.2977

Mercury -110771-04-21 22:19 J -38737573.64 -38737573.57 -38737573.51 0.3749 0.3118

Mercury -110766-11-05 21:07 J -38735549.74 -38735549.62 -38735549.50 0.3744 0.0984

Mercury -110760-05-21 20:24 J -38733525.77 -38733525.65 -38733525.53 0.3738 0.1256

Mercury -110755-12-05 20:09 J -38731501.69 -38731501.66 -38731501.63 0.3732 0.3580

Mercury -110751-12-04 21:36 J -38730041.68 -38730041.60 -38730041.52 0.3631 0.2576

Mercury -110745-06-19 16:48 J -38728017.91 -38728017.80 -38728017.68 0.3635 0.0997

Mercury -110739-01-03 11:45 J -38725994.12 -38725994.01 -38725993.89 0.3640 0.0545

Mercury -110734-07-20 06:43 J -38723970.32 -38723970.22 -38723970.13 0.3645 0.2045

Mercury -110728-02-02 01:12 J -38721946.48 -38721946.45 -38721946.42 0.3650 0.3493

Mercury -110715-11-26 21:36 J -38716900.70 -38716900.60 -38716900.51 0.3747 0.2377

Mercury -110709-06-11 20:38 J -38714876.77 -38714876.64 -38714876.52 0.3742 0.0246

Mercury -110704-12-26 19:55 J -38712852.77 -38712852.67 -38712852.56 0.3736 0.2044

Mercury -110700-12-26 00:43 J -38711392.48 -38711392.47 -38711392.46 0.3627 0.3605

Mercury -110694-07-11 20:09 J -38709368.76 -38709368.66 -38709368.56 0.3632 0.1993

Mercury -110688-01-24 15:07 J -38707344.98 -38707344.87 -38707344.75 0.3637 0.0459

Mercury -110683-08-10 10:05 J -38705321.19 -38705321.08 -38705320.96 0.3641 0.1099

Mercury -110677-02-24 04:48 J -38703297.38 -38703297.30 -38703297.21 0.3646 0.2578

Mercury -110664-12-17 22:19 J -38698251.58 -38698251.57 -38698251.56 0.3751 0.3728

Mercury -110658-07-03 20:53 J -38696227.74 -38696227.63 -38696227.52 0.3746 0.1640

Mercury -110652-01-16 20:09 J -38694203.79 -38694203.66 -38694203.54 0.3740 0.0571

Mercury -110647-08-02 19:26 J -38692179.77 -38692179.69 -38692179.61 0.3735 0.2822

Mercury -110643-08-01 23:17 J -38690719.60 -38690719.53 -38690719.47 0.3629 0.3016

Mercury -110637-02-15 18:29 J -38688695.84 -38688695.73 -38688695.62 0.3633 0.1424

Mercury -110632-08-31 13:41 J -38686672.05 -38686671.93 -38686671.82 0.3638 0.0154

Mercury -110626-03-17 08:24 J -38684648.25 -38684648.15 -38684648.04 0.3643 0.1638

Mercury -110621-09-30 03:07 J -38682624.43 -38682624.37 -38682624.31 0.3648 0.3102

Mercury -110607-07-24 21:21 J -38677578.68 -38677578.61 -38677578.54 0.3750 0.3018

Mercury -110601-02-07 20:09 J -38675554.78 -38675554.66 -38675554.53 0.3744 0.0901

Mercury -110596-08-23 19:26 J -38673530.81 -38673530.69 -38673530.57 0.3739 0.1320

Mercury -110590-03-09 19:12 J -38671506.73 -38671506.70 -38671506.68 0.3733 0.3616

Mercury -110586-03-08 21:36 J -38670046.68 -38670046.60 -38670046.51 0.3630 0.2436

Mercury -110581-09-21 17:02 J -38668022.91 -38668022.79 -38668022.68 0.3634 0.0862

Mercury -110575-04-07 12:00 J -38665999.12 -38665999.00 -38665998.89 0.3639 0.0673

Mercury -110570-10-22 06:43 J -38663975.31 -38663975.22 -38663975.12 0.3644 0.2173

Mercury -110564-05-07 01:26 J -38661951.45 -38661951.44 -38661951.43 0.3649 0.3617

Mercury -110550-02-28 20:38 J -38656905.73 -38656905.64 -38656905.54 0.3748 0.2289

Mercury -110545-09-13 19:41 J -38654881.81 -38654881.68 -38654881.55 0.3743 0.0142

Mercury -110539-03-30 18:57 J -38652857.81 -38652857.71 -38652857.60 0.3737 0.2092

Mercury -110535-03-30 00:43 J -38651397.50 -38651397.47 -38651397.44 0.3627 0.3464

Mercury -110530-10-13 20:09 J -38649373.76 -38649373.66 -38649373.56 0.3631 0.1854

Mercury -110524-04-28 15:21 J -38647349.98 -38647349.86 -38647349.74 0.3636 0.0298

Mercury -110519-11-12 10:19 J -38645326.18 -38645326.07 -38645325.96 0.3641 0.1222

Mercury -110513-05-28 05:02 J -38643302.36 -38643302.29 -38643302.21 0.3646 0.2703

Mercury -110499-03-21 21:21 J -38638256.64 -38638256.61 -38638256.58 0.3752 0.3624

Mercury -110494-10-05 20:09 J -38636232.78 -38636232.66 -38636232.55 0.3747 0.1547

Mercury -110488-04-20 19:12 J -38634208.83 -38634208.70 -38634208.57 0.3741 0.0629

Mercury -110483-11-04 18:29 J -38632184.81 -38632184.73 -38632184.65 0.3735 0.2881

Mercury -110479-11-03 23:17 J -38630724.60 -38630724.53 -38630724.46 0.3628 0.2869

Mercury -110473-05-19 18:43 J -38628700.83 -38628700.72 -38628700.61 0.3633 0.1279

Mercury -110468-12-03 13:41 J -38626677.04 -38626676.93 -38626676.81 0.3637 0.0285

Mercury -110462-06-19 08:38 J -38624653.24 -38624653.14 -38624653.04 0.3642 0.1765

Mercury -110456-01-02 03:21 J -38622629.41 -38622629.36 -38622629.31 0.3647 0.3219

Mercury -110443-10-26 20:38 J -38617583.71 -38617583.64 -38617583.56 0.3750 0.2904

Mercury -110437-05-11 19:41 J -38615559.81 -38615559.68 -38615559.56 0.3745 0.0804

Mercury -110432-11-25 18:43 J -38613535.84 -38613535.72 -38613535.60 0.3739 0.1396

Mercury -110426-06-11 18:14 J -38611511.76 -38611511.74 -38611511.72 0.3734 0.3673

Mercury -110422-06-10 21:50 J -38610051.68 -38610051.59 -38610051.50 0.3629 0.2284

Mercury -110417-12-24 17:02 J -38608027.90 -38608027.79 -38608027.67 0.3634 0.0722

Mercury -110411-07-10 12:14 J -38606004.11 -38606003.99 -38606003.88 0.3639 0.0815

Mercury -110405-01-24 06:57 J -38603980.30 -38603980.21 -38603980.12 0.3644 0.2288

Mercury -110386-06-02 20:09 J -38596910.77 -38596910.66 -38596910.56 0.3749 0.2178

Mercury -110381-12-16 18:57 J -38594886.84 -38594886.71 -38594886.58 0.3744 0.0053

Mercury -110375-07-02 18:00 J -38592862.85 -38592862.75 -38592862.64 0.3738 0.2155

Mercury -110371-07-02 00:43 J -38591402.51 -38591402.47 -38591402.42 0.3626 0.3315

Mercury -110365-01-15 20:09 J -38589378.76 -38589378.66 -38589378.55 0.3631 0.1723

Mercury -110360-07-31 15:21 J -38587354.97 -38587354.86 -38587354.74 0.3636 0.0213

Mercury -110354-02-14 10:33 J -38585331.17 -38585331.06 -38585330.96 0.3640 0.1350

Mercury -110349-08-30 05:17 J -38583307.35 -38583307.28 -38583307.21 0.3645 0.2812

Mercury -110335-06-23 20:38 J -38578261.68 -38578261.64 -38578261.59 0.3753 0.3515

Mercury -110329-01-07 19:26 J -38576237.81 -38576237.69 -38576237.58 0.3748 0.1450

Mercury -110324-07-23 18:14 J -38574213.86 -38574213.74 -38574213.61 0.3742 0.0686

Mercury -110318-02-06 17:45 J -38572189.84 -38572189.76 -38572189.69 0.3736 0.2929

Mercury -110314-02-05 23:17 J -38570729.61 -38570729.53 -38570729.45 0.3627 0.2734

Mercury -110309-08-21 18:43 J -38568705.83 -38568705.72 -38568705.61 0.3632 0.1160

Mercury -110303-03-07 13:55 J -38566682.04 -38566681.92 -38566681.81 0.3637 0.0391

Mercury -110298-09-21 08:53 J -38564658.23 -38564658.13 -38564658.03 0.3641 0.1881

Mercury -110292-04-06 03:36 J -38562634.40 -38562634.35 -38562634.31 0.3646 0.3332

Mercury -110278-01-28 19:55 J -38557588.75 -38557588.67 -38557588.59 0.3751 0.2801

Mercury -110273-08-13 18:43 J -38555564.85 -38555564.72 -38555564.60 0.3746 0.0726

Mercury -110267-02-27 17:45 J -38553540.88 -38553540.76 -38553540.64 0.3740 0.1443

Mercury -110262-09-13 17:17 J -38551516.79 -38551516.78 -38551516.77 0.3734 0.3708

Mercury -110258-09-12 21:50 J -38550056.69 -38550056.59 -38550056.50 0.3629 0.2156

Mercury -110252-03-28 17:02 J -38548032.90 -38548032.79 -38548032.67 0.3633 0.0604

Mercury -110247-10-12 12:14 J -38546009.10 -38546008.99 -38546008.87 0.3638 0.0939

Mercury -110241-04-27 07:12 J -38543985.29 -38543985.20 -38543985.12 0.3643 0.2411

Mercury -110222-09-04 19:26 J -38536915.80 -38536915.69 -38536915.59 0.3750 0.2080

Mercury -110216-03-20 18:00 J -38534891.87 -38534891.75 -38534891.62 0.3744 0.0083

Mercury -110211-10-04 17:17 J -38532867.88 -38532867.78 -38532867.68 0.3739 0.2214

Mercury -110207-10-04 00:57 J -38531407.52 -38531407.46 -38531407.41 0.3626 0.3170

Mercury -110201-04-18 20:24 J -38529383.76 -38529383.65 -38529383.55 0.3630 0.1584

Mercury -110196-11-02 15:36 J -38527359.97 -38527359.85 -38527359.73 0.3635 0.0057

Mercury -110190-05-19 10:48 J -38525336.16 -38525336.05 -38525335.95 0.3640 0.1485

Mercury -110185-12-02 05:31 J -38523312.34 -38523312.27 -38523312.20 0.3644 0.2939

Mercury -110171-09-25 20:09 J -38518266.71 -38518266.66 -38518266.61 0.3753 0.3391

Mercury -110165-04-10 18:43 J -38516242.84 -38516242.72 -38516242.60 0.3748 0.1349

Mercury -110160-10-25 17:31 J -38514218.89 -38514218.77 -38514218.65 0.3743 0.0769

Mercury -110154-05-11 16:48 J -38512194.87 -38512194.80 -38512194.72 0.3737 0.2989

Mercury -110150-05-10 23:31 J -38510734.61 -38510734.52 -38510734.44 0.3627 0.2589

Mercury -110145-11-23 18:43 J -38508710.83 -38508710.72 -38508710.60 0.3632 0.1020

Mercury -110139-06-09 14:09 J -38506687.03 -38506686.91 -38506686.80 0.3636 0.0540

Mercury -110134-12-24 08:53 J -38504663.22 -38504663.13 -38504663.03 0.3641 0.2010

Mercury -110128-07-09 03:50 J -38502639.37 -38502639.34 -38502639.31 0.3646 0.3454

Mercury -110114-05-02 19:26 J -38497593.78 -38497593.69 -38497593.61 0.3752 0.2689

Mercury -110109-11-15 18:00 J -38495569.88 -38495569.75 -38495569.63 0.3746 0.0631

Mercury -110103-06-01 17:02 J -38493545.91 -38493545.79 -38493545.68 0.3741 0.1519

Mercury -110099-06-01 02:24 J -38492085.41 -38492085.40 -38492085.40 0.3624 0.3618

Mercury -110094-12-15 21:50 J -38490061.69 -38490061.59 -38490061.49 0.3628 0.2019

Mercury -110088-06-30 17:17 J -38488037.90 -38488037.78 -38488037.66 0.3633 0.0457

Mercury -110082-01-14 12:14 J -38486014.10 -38486013.99 -38486013.87 0.3638 0.1062

Mercury -110077-07-30 07:12 J -38483990.28 -38483990.20 -38483990.11 0.3642 0.2534

Mercury -110058-12-07 18:43 J -38476920.83 -38476920.72 -38476920.62 0.3750 0.1980

Mercury -110052-06-22 17:17 J -38474896.91 -38474896.78 -38474896.65 0.3745 0.0094

Mercury -110046-01-06 16:19 J -38472872.92 -38472872.82 -38472872.72 0.3740 0.2272

Mercury -110042-01-06 00:43 J -38471412.53 -38471412.47 -38471412.40 0.3625 0.3042

Mercury -110037-07-21 20:24 J -38469388.76 -38469388.65 -38469388.54 0.3630 0.1452

Mercury -110031-02-04 15:36 J -38467364.97 -38467364.85 -38467364.73 0.3634 0.0110

Mercury -110026-08-21 10:48 J -38465341.16 -38465341.05 -38465340.95 0.3639 0.1591

Mercury -110020-03-06 05:45 J -38463317.33 -38463317.26 -38463317.20 0.3644 0.3054

Mercury -110007-12-28 19:26 J -38458271.75 -38458271.69 -38458271.63 0.3754 0.3286

Mercury -110001-07-13 17:45 J -38456247.87 -38456247.76 -38456247.64 0.3749 0.1280

110TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 110th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-109995-01-27 16:48 J	-38454223.93	-38454223.80	-38454223.68	0.3743	0.0844		
Mercury	-109990-08-13 15:50 J	-38452199.91	-38452199.84	-38452199.77	0.3738	0.3017		
Mercury	-109986-08-12 23:16 J	-38450739.61	-38450739.53	-38450739.44	0.3626	0.2461		
Mercury	-109980-02-25 18:57 J	-38448715.83	-38448715.71	-38448715.60	0.3631	0.0894		
Mercury	-109975-09-11 14:09 J	-38446692.03	-38446691.91	-38446691.80	0.3635	0.0645		
Mercury	-109969-03-27 09:07 J	-38444668.21	-38444668.12	-38444668.02	0.3640	0.2125		
Mercury	-109964-10-11 04:04 J	-38442644.35	-38442644.33	-38442644.31	0.3645	0.3571		
Mercury	-109950-08-04 18:43 J	-38437598.81	-38437598.72	-38437598.63	0.3753	0.2595		
Mercury	-109944-02-17 17:16 J	-38435574.91	-38435574.78	-38435574.66	0.3747	0.0558		
Mercury	-109939-09-03 16:04 J	-38433550.94	-38433550.83	-38433550.71	0.3742	0.1583		

Mercury -109935-09-03 02:09 J -38432090.44 -38432090.41 -38432090.38 0.3623 0.3485

Mercury -109929-03-18 21:50 J -38430066.69 -38430066.59 -38430066.49 0.3628 0.1885

Mercury -109924-10-02 17:16 J -38428042.89 -38428042.78 -38428042.66 0.3632 0.0340

Mercury -109918-04-18 12:28 J -38426019.09 -38426018.98 -38426018.87 0.3637 0.1180

Mercury -109913-11-01 07:26 J -38423995.26 -38423995.19 -38423995.11 0.3642 0.2654

Mercury -109893-03-10 18:00 J -38416925.86 -38416925.75 -38416925.65 0.3751 0.1892

Mercury -109888-09-24 16:33 J -38414901.94 -38414901.81 -38414901.68 0.3746 0.0175

Mercury -109882-04-10 15:36 J -38412877.95 -38412877.85 -38412877.75 0.3740 0.2320

Mercury -109878-04-10 00:43 J -38411417.54 -38411417.47 -38411417.40 0.3624 0.2905

Mercury -109873-10-23 20:24 J -38409393.76 -38409393.65 -38409393.54 0.3629 0.1316

Mercury -109867-05-09 15:50 J -38407369.96 -38407369.84 -38407369.72 0.3634 0.0231

Mercury -109862-11-23 10:48 J -38405346.15 -38405346.05 -38405345.94 0.3638 0.1721

Mercury -109856-06-08 05:45 J -38403322.31 -38403322.26 -38403322.20 0.3643 0.3171

Mercury -109842-04-01 18:43 J -38398276.78 -38398276.72 -38398276.65 0.3755 0.3185

Mercury -109837-10-15 17:16 J -38396252.90 -38396252.78 -38396252.67 0.3749 0.1190

Mercury -109831-05-01 16:04 J -38394228.96 -38394228.83 -38394228.71 0.3744 0.0916

Mercury -109826-11-15 15:07 J -38392204.94 -38392204.87 -38392204.80 0.3738 0.3067

Mercury -109822-11-14 23:16 J -38390744.62 -38390744.53 -38390744.43 0.3626 0.2328

Mercury -109816-05-30 18:57 J -38388720.83 -38388720.71 -38388720.59 0.3630 0.0753

Mercury -109811-12-14 14:09 J -38386697.02 -38386696.91 -38386696.79 0.3635 0.0762

Mercury -109805-06-29 09:21 J -38384673.20 -38384673.11 -38384673.02 0.3640 0.2243

Mercury -109786-11-06 18:00 J -38377603.84 -38377603.75 -38377603.66 0.3753 0.2489

Mercury -109780-05-22 16:33 J -38375579.94 -38375579.81 -38375579.69 0.3748 0.0472

Mercury -109775-12-06 15:21 J -38373555.97 -38373555.86 -38373555.75 0.3742 0.1640

Mercury -109771-12-06 02:09 J -38372095.45 -38372095.41 -38372095.36 0.3623 0.3347

Mercury -109765-06-20 21:50 J -38370071.69 -38370071.59 -38370071.48 0.3627 0.1756

Mercury -109759-01-04 17:16 J -38368047.89 -38368047.78 -38368047.66 0.3632 0.0235

Mercury -109754-07-21 12:43 J -38366024.08 -38366023.97 -38366023.86 0.3637 0.1307

Mercury -109748-02-03 07:40 J -38364000.26 -38364000.18 -38364000.11 0.3641 0.2759

Mercury -109735-11-27 19:12 J -38358954.71 -38358954.70 -38358954.70 0.3757 0.3747

Mercury -109729-06-12 17:16 J -38356930.89 -38356930.78 -38356930.67 0.3752 0.1792

Mercury -109724-12-27 15:50 J -38354906.96 -38354906.84 -38354906.71 0.3747 0.0251

Mercury -109718-07-13 14:38 J -38352882.98 -38352882.89 -38352882.79 0.3741 0.2367

Mercury -109714-07-13 00:43 J -38351422.54 -38351422.47 -38351422.39 0.3624 0.2767

Mercury -109708-01-25 20:24 J -38349398.76 -38349398.65 -38349398.54 0.3628 0.1192

Mercury -109703-08-11 15:50 J -38347374.96 -38347374.84 -38347374.72 0.3633 0.0343

Mercury -109697-02-25 11:02 J -38345351.14 -38345351.04 -38345350.94 0.3638 0.1834

Mercury -109692-09-10 06:00 J -38343327.30 -38343327.25 -38343327.20 0.3642 0.3273

Mercury -109678-07-04 18:14 J -38338281.81 -38338281.74 -38338281.67 0.3756 0.3075

Mercury -109672-01-17 16:33 J -38336257.93 -38336257.81 -38336257.69 0.3750 0.1091

Mercury -109667-08-03 15:07 J -38334233.99 -38334233.87 -38334233.75 0.3745 0.0964

Mercury -109661-02-17 14:09 J -38332209.98 -38332209.91 -38332209.84 0.3739 0.3109

Mercury -109657-02-16 23:16 J -38330749.62 -38330749.53 -38330749.43 0.3625 0.2196

Mercury -109652-09-01 18:57 J -38328725.83 -38328725.71 -38328725.59 0.3630 0.0638

Mercury -109646-03-18 14:24 J -38326702.02 -38326701.90 -38326701.79 0.3634 0.0893

Mercury -109641-10-01 09:21 J -38324678.20 -38324678.11 -38324678.02 0.3639 0.2357

Mercury -109621-02-08 17:16 J -38317608.87 -38317608.78 -38317608.68 0.3754 0.2399

Mercury -109616-08-24 15:50 J -38315584.97 -38315584.84 -38315584.72 0.3749 0.0421

Mercury -109610-03-10 14:24 J -38313561.01 -38313560.90 -38313560.78 0.3743 0.1685

Mercury -109606-03-10 02:09 J -38312100.46 -38312100.41 -38312100.36 0.3622 0.3215

Mercury -109601-09-22 21:50 J -38310076.69 -38310076.59 -38310076.48 0.3627 0.1630

Mercury -109595-04-08 17:31 J -38308052.89 -38308052.77 -38308052.66 0.3631 0.0148

Mercury -109590-10-23 12:43 J -38306029.08 -38306028.97 -38306028.86 0.3636 0.1420

Mercury -109584-05-08 07:40 J -38304005.25 -38304005.18 -38304005.11 0.3640 0.2874

Mercury -109570-03-01 18:28 J -38298959.76 -38298959.73 -38298959.70 0.3758 0.3650

Mercury -109565-09-14 16:33 J -38296935.92 -38296935.81 -38296935.70 0.3752 0.1706

Mercury -109559-03-31 15:07 J -38294912.00 -38294911.87 -38294911.75 0.3747 0.0322

Mercury -109554-10-15 13:55 J -38292888.02 -38292887.92 -38292887.82 0.3742 0.2415

Mercury -109550-10-15 00:43 J -38291427.55 -38291427.47 -38291427.38 0.3623 0.2635

Mercury -109544-04-29 20:24 J -38289403.76 -38289403.65 -38289403.53 0.3628 0.1068

Mercury -109539-11-13 15:50 J -38287379.95 -38287379.84 -38287379.72 0.3633 0.0481

Mercury -109533-05-29 11:16 J -38285356.13 -38285356.03 -38285355.94 0.3637 0.1955

Mercury -109528-12-13 06:14 J -38283332.28 -38283332.24 -38283332.20 0.3642 0.3387

Mercury -109514-10-06 17:45 J -38278286.84 -38278286.76 -38278286.69 0.3756 0.2971

Mercury -109508-04-21 15:50 J -38276262.96 -38276262.84 -38276262.72 0.3751 0.1008

Mercury -109503-11-05 14:24 J -38274239.02 -38274238.90 -38274238.78 0.3745 0.1034

Mercury -109497-05-21 13:26 J -38272215.01 -38272214.94 -38272214.87 0.3740 0.3157

Mercury -109493-05-20 23:31 J -38270754.62 -38270754.52 -38270754.43 0.3625 0.2059

Mercury -109488-12-04 18:57 J -38268730.83 -38268730.71 -38268730.59 0.3629 0.0511

Mercury -109482-06-20 14:24 J -38266707.01 -38266706.90 -38266706.79 0.3634 0.1007

Mercury -109476-01-03 09:36 J -38264683.19 -38264683.10 -38264683.02 0.3639 0.2469

Mercury -109457-05-12 16:48 J -38257613.89 -38257613.80 -38257613.70 0.3755 0.2291

Mercury -109452-11-26 15:07 J -38255589.99 -38255589.87 -38255589.74 0.3749 0.0312

Mercury -109446-06-12 13:55 J -38253566.04 -38253565.92 -38253565.81 0.3744 0.1755

Mercury -109442-06-12 02:09 J -38252105.47 -38252105.41 -38252105.35 0.3622 0.3077

Mercury -109437-12-25 21:50 J -38250081.69 -38250081.59 -38250081.48 0.3626 0.1505

Mercury -109431-07-11 17:31 J -38248057.89 -38248057.77 -38248057.65 0.3631 0.0045

Mercury -109425-01-25 12:43 J -38246034.07 -38246033.97 -38246033.86 0.3635 0.1535

Mercury -109420-08-10 07:55 J -38244010.24 -38244010.17 -38244010.11 0.3640 0.2981

Mercury -109406-06-03 18:00 J -38238964.79 -38238964.75 -38238964.71 0.3758 0.3531

Mercury -109401-12-17 16:04 J -38236940.94 -38236940.83 -38236940.72 0.3753 0.1613

Mercury -109395-07-03 14:24 J -38234917.03 -38234916.90 -38234916.78 0.3748 0.0387

Mercury -109389-01-17 13:12 J -38232893.05 -38232892.95 -38232892.86 0.3743 0.2467

Mercury -109385-01-17 00:43 J -38231432.56 -38231432.47 -38231432.38 0.3623 0.2514

Mercury -109380-08-01 20:24 J -38229408.76 -38229408.65 -38229408.53 0.3628 0.0947

Mercury -109374-02-15 15:50 J -38227384.95 -38227384.84 -38227384.72 0.3632 0.0595

Mercury -109369-08-31 11:16 J -38225361.13 -38225361.03 -38225360.94 0.3637 0.2054

Mercury -109363-03-17 06:14 J -38223337.27 -38223337.24 -38223337.21 0.3641 0.3488

Mercury -109349-01-08 17:02 J -38218291.87 -38218291.79 -38218291.71 0.3757 0.2873

Mercury -109344-07-24 15:07 J -38216267.99 -38216267.87 -38216267.75 0.3752 0.0942

Mercury -109338-02-07 13:40 J -38214244.05 -38214243.93 -38214243.81 0.3746 0.1086

Mercury -109334-02-07 03:21 J -38212783.38 -38212783.36 -38212783.34 0.3620 0.3539

Mercury -109333-08-23 12:28 J -38212220.04 -38212219.98 -38212219.91 0.3741 0.3183

Mercury -109329-08-22 23:16 J -38210759.63 -38210759.53 -38210759.43 0.3624 0.1945

Mercury -109323-03-08 18:57 J -38208735.83 -38208735.71 -38208735.59 0.3629 0.0395

Mercury -109318-09-22 14:24 J -38206712.01 -38206711.90 -38206711.79 0.3633 0.1114

Mercury -109312-04-07 09:36 J -38204688.18 -38204688.10 -38204688.02 0.3638 0.2572

Mercury -109293-08-14 16:04 J -38197618.93 -38197618.83 -38197618.73 0.3755 0.2210

Mercury -109287-02-28 14:24 J -38195595.02 -38195594.90 -38195594.78 0.3750 0.0245

Mercury -109282-09-14 12:57 J -38193571.07 -38193570.96 -38193570.85 0.3745 0.1803

Mercury -109278-09-14 02:09 J -38192110.48 -38192110.41 -38192110.35 0.3621 0.2959

Mercury -109272-03-29 21:50 J -38190086.70 -38190086.59 -38190086.47 0.3626 0.1383

Mercury -109267-10-13 17:31 J -38188062.89 -38188062.77 -38188062.65 0.3630 0.0176

Mercury -109261-04-28 12:57 J -38186039.07 -38186038.96 -38186038.86 0.3635 0.1646

Mercury -109256-11-12 08:09 J -38184015.22 -38184015.16 -38184015.10 0.3639 0.3092

Mercury -109242-09-05 17:31 J -38178969.82 -38178969.77 -38178969.73 0.3759 0.3426

Mercury -109236-03-21 15:21 J -38176945.97 -38176945.86 -38176945.75 0.3754 0.1531

Mercury -109231-10-05 13:40 J -38174922.05 -38174921.93 -38174921.80 0.3748 0.0457

Mercury -109225-04-20 12:28 J -38172898.07 -38172897.98 -38172897.89 0.3743 0.2517

Mercury -109221-04-20 00:43 J -38171437.56 -38171437.47 -38171437.38 0.3622 0.2382

Mercury -109216-11-03 20:38 J -38169413.76 -38169413.64 -38169413.53 0.3627 0.0820

Mercury -109210-05-20 16:04 J -38167389.95 -38167389.83 -38167389.71 0.3631 0.0706

Mercury -109205-12-03 11:16 J -38165366.12 -38165366.03 -38165365.93 0.3636 0.2175

Mercury -109199-06-19 06:28 J -38163342.24 -38163342.23 -38163342.22 0.3641 0.3600

Mercury -109185-04-11 16:33 J -38158296.89 -38158296.81 -38158296.73 0.3757 0.2770

Mercury -109180-10-26 14:38 J -38156273.01 -38156272.89 -38156272.77 0.3752 0.0851

Mercury -109174-05-12 12:57 J -38154249.08 -38154248.96 -38154248.84 0.3747 0.1160

Mercury -109170-05-12 03:21 J -38152788.40 -38152788.36 -38152788.32 0.3619 0.3402

Mercury -109169-11-25 11:45 J -38152225.07 -38152225.01 -38152224.95 0.3741 0.3235

Mercury -109165-11-24 23:16 J -38150764.63 -38150764.53 -38150764.42 0.3624 0.1816

Mercury -109159-06-10 19:12 J -38148740.82 -38148740.70 -38148740.59 0.3628 0.0296

Mercury -109154-12-25 14:24 J -38146717.01 -38146716.90 -38146716.78 0.3633 0.1237

Mercury -109148-07-10 09:50 J -38144693.17 -38144693.09 -38144693.01 0.3638 0.2684

Mercury -109129-11-16 15:36 J -38137623.95 -38137623.85 -38137623.75 0.3756 0.2112

Mercury -109123-06-02 13:40 J -38135600.05 -38135599.93 -38135599.80 0.3751 0.0199

Mercury -109118-12-17 12:14 J -38133576.10 -38133575.99 -38133575.88 0.3745 0.1852

Mercury -109114-12-17 01:55 J -38132115.49 -38132115.42 -38132115.34 0.3621 0.2834

Mercury -109108-07-01 21:50 J -38130091.70 -38130091.59 -38130091.47 0.3625 0.1261

Mercury -109102-01-15 17:31 J -38128067.89 -38128067.77 -38128067.65 0.3630 0.0267

Mercury -109097-07-31 12:57 J -38126044.06 -38126043.96 -38126043.86 0.3634 0.1753

Mercury -109091-02-14 08:09 J -38124020.22 -38124020.16 -38124020.11 0.3639 0.3187

Mercury -109078-12-08 16:48 J -38118974.85 -38118974.80 -38118974.74 0.3759 0.3328

Mercury -109072-06-23 14:38 J -38116951.00 -38116950.89 -38116950.77 0.3754 0.1453

Mercury -109066-01-07 12:57 J -38114927.08 -38114926.96 -38114926.83 0.3749 0.0520

Mercury -109061-07-23 11:31 J -38112903.11 -38112903.02 -38112902.93 0.3744 0.2549

Mercury -109057-07-23 00:43 J -38111442.57 -38111442.47 -38111442.38 0.3622 0.2259

Mercury -109051-02-05 20:24 J -38109418.76 -38109418.65 -38109418.53 0.3626 0.0713

Mercury -109046-08-22 16:04 J -38107394.95 -38107394.83 -38107394.71 0.3631 0.0806

Mercury -109040-03-07 11:31 J -38105371.11 -38105371.02 -38105370.93 0.3635 0.2277

Mercury -109021-07-14 15:50 J -38098301.92 -38098301.84 -38098301.75 0.3758 0.2683

Mercury -109015-01-28 13:55 J -38096278.04 -38096277.92 -38096277.80 0.3753 0.0771

Mercury -109010-08-14 12:14 J -38094254.11 -38094253.99 -38094253.87 0.3748 0.1201

Mercury -109006-08-14 03:21 J -38092793.41 -38092793.36 -38092793.32 0.3619 0.3285

Mercury -109004-02-27 11:02 J -38092230.10 -38092230.04 -38092229.98 0.3742 0.3263

109TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 109th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-109000-02-26 23:16 J	-38090769.63	-38090769.53	-38090769.42	0.3623	0.1692		
Mercury	-108995-09-12 18:57 J	-38088745.83	-38088745.71	-38088745.59	0.3628	0.0190		
Mercury	-108989-03-28 14:38 J	-38086722.00	-38086721.89	-38086721.78	0.3632	0.1340		
Mercury	-108984-10-12 09:50 J	-38084698.16	-38084698.09	-38084698.01	0.3637	0.2793		
Mercury	-108964-02-18 15:07 J	-38077628.98	-38077628.87	-38077628.77	0.3756	0.2027		
Mercury	-108959-09-04 13:12 J	-38075605.08	-38075604.95	-38075604.83	0.3751	0.0123		
Mercury	-108953-03-20 11:31 J	-38073581.13	-38073581.02	-38073580.91	0.3746	0.1897		
Mercury	-108949-03-20 01:55 J	-38072120.50	-38072120.42	-38072120.34	0.3620	0.2706		
Mercury	-108944-10-03 21:50 J	-38070096.70	-38070096.59	-38070096.47	0.3624	0.1140		
Mercury	-108938-04-19 17:31 J	-38068072.88	-38068072.77	-38068072.65	0.3629	0.0400		
Mercury	-108933-11-02 13:12 J	-38066049.06	-38066048.95	-38066048.85	0.3634	0.1869		
Mercury	-108927-05-19 08:24 J	-38064025.20	-38064025.15	-38064025.11	0.3638	0.3298		
Mercury	-108913-03-11 16:19 J	-38058979.88	-38058979.82	-38058979.76	0.3760	0.3232		
Mercury	-108908-09-25 14:09 J	-38056956.02	-38056955.91	-38056955.79	0.3755	0.1361		
Mercury	-108902-04-11 12:14 J	-38054932.11	-38054931.99	-38054931.86	0.3750	0.0587		
Mercury	-108897-10-25 10:48 J	-38052908.14	-38052908.05	-38052907.96	0.3745	0.2598		
Mercury	-108893-10-25 00:43 J	-38051447.57	-38051447.47	-38051447.38	0.3621	0.2137		
Mercury	-108887-05-10 20:24 J	-38049423.76	-38049423.65	-38049423.53	0.3626	0.0599		
Mercury	-108882-11-24 16:04 J	-38047399.94	-38047399.83	-38047399.71	0.3630	0.0922		
Mercury	-108876-06-09 11:31 J	-38045376.11	-38045376.02	-38045375.93	0.3635	0.2382		
Mercury	-108857-10-16 15:21 J	-38038306.95	-38038306.86	-38038306.77	0.3758	0.2588		

Mercury -108851-05-02 13:26 J -38036283.06 -38036282.94 -38036282.82 0.3753 0.0705
 Mercury -108846-11-16 11:31 J -38034259.13 -38034259.02 -38034258.90 0.3748 0.1262
 Mercury -108842-11-16 03:07 J -38032798.42 -38032798.37 -38032798.31 0.3618 0.3160
 Mercury -108840-06-01 10:19 J -38032235.13 -38032235.07 -38032235.02 0.3743 0.3299
 Mercury -108836-05-31 23:16 J -38030774.64 -38030774.53 -38030774.42 0.3623 0.1572
 Mercury -108831-12-15 18:57 J -38028750.83 -38028750.71 -38028750.59 0.3627 0.0132
 Mercury -108825-06-30 14:38 J -38026727.00 -38026726.89 -38026726.78 0.3632 0.1447
 Mercury -108819-01-14 09:50 J -38024703.16 -38024703.09 -38024703.02 0.3636 0.2890
 Mercury -108800-05-23 14:38 J -38017634.00 -38017633.89 -38017633.79 0.3757 0.1934
 Mercury -108795-12-07 12:28 J -38015610.10 -38015609.98 -38015609.85 0.3752 0.0089
 Mercury -108789-06-22 10:48 J -38013586.15 -38013586.05 -38013585.94 0.3747 0.1955
 Mercury -108785-06-22 01:55 J -38012125.50 -38012125.42 -38012125.33 0.3620 0.2580
 Mercury -108779-01-05 21:50 J -38010101.70 -38010101.59 -38010101.47 0.3624 0.1024
 Mercury -108774-07-22 17:45 J -38008077.88 -38008077.76 -38008077.65 0.3629 0.0515
 Mercury -108768-02-04 13:12 J -38006054.05 -38006053.95 -38006053.85 0.3633 0.1967
 Mercury -108763-08-21 08:24 J -38004030.19 -38004030.15 -38004030.11 0.3638 0.3391
 Mercury -108749-06-13 15:50 J -37998984.90 -37998984.84 -37998984.77 0.3761 0.3126
 Mercury -108744-12-28 13:40 J -37996961.05 -37996960.93 -37996960.82 0.3756 0.1276
 Mercury -108738-07-14 11:45 J -37994937.14 -37994937.01 -37994936.89 0.3751 0.0641
 Mercury -108734-07-14 04:19 J -37993476.32 -37993476.32 -37993476.32 0.3617 0.3613
 Mercury -108732-01-27 10:19 J -37992913.16 -37992913.07 -37992912.99 0.3745 0.2644
 Mercury -108728-01-27 00:28 J -37991452.58 -37991452.48 -37991452.38 0.3621 0.2024
 Mercury -108723-08-12 20:24 J -37989428.77 -37989428.65 -37989428.53 0.3625 0.0484
 Mercury -108717-02-26 16:04 J -37987404.94 -37987404.83 -37987404.71 0.3630 0.1034
 Mercury -108712-09-11 11:31 J -37985381.10 -37985381.02 -37985380.93 0.3634 0.2479
 Mercury -108692-01-18 14:52 J -37978311.97 -37978311.88 -37978311.79 0.3759 0.2491
 Mercury -108687-08-04 12:43 J -37976288.09 -37976287.97 -37976287.85 0.3754 0.0634
 Mercury -108681-02-18 11:02 J -37974264.16 -37974264.04 -37974263.93 0.3749 0.1318
 Mercury -108677-02-18 03:07 J -37972803.44 -37972803.37 -37972803.31 0.3618 0.3039
 Mercury -108676-09-03 09:36 J -37972240.16 -37972240.10 -37972240.05 0.3744 0.3328

Mercury -108672-09-02 23:16 J -37970779.64 -37970779.53 -37970779.42 0.3622 0.1474

Mercury -108666-03-19 18:57 J -37968755.83 -37968755.71 -37968755.59 0.3627 0.0145

Mercury -108661-10-02 14:38 J -37966732.00 -37966731.89 -37966731.78 0.3631 0.1549

Mercury -108655-04-18 10:04 J -37964708.15 -37964708.08 -37964708.02 0.3636 0.2984

Mercury -108641-02-09 16:19 J -37959662.84 -37959662.82 -37959662.80 0.3762 0.3664

Mercury -108636-08-25 13:55 J -37957639.03 -37957638.92 -37957638.81 0.3758 0.1855

Mercury -108630-03-11 11:45 J -37955615.13 -37955615.01 -37955614.88 0.3753 0.0090

Mercury -108625-09-24 10:19 J -37953591.18 -37953591.07 -37953590.97 0.3747 0.1997

Mercury -108621-09-24 01:40 J -37952130.51 -37952130.43 -37952130.34 0.3619 0.2473

Mercury -108615-04-09 21:50 J -37950106.71 -37950106.59 -37950106.47 0.3624 0.0915

Mercury -108610-10-24 17:45 J -37948082.88 -37948082.76 -37948082.65 0.3628 0.0619

Mercury -108604-05-09 13:12 J -37946059.05 -37946058.95 -37946058.85 0.3632 0.2067

Mercury -108599-11-23 08:24 J -37944035.18 -37944035.15 -37944035.12 0.3637 0.3490

Mercury -108585-09-15 15:21 J -37938989.93 -37938989.86 -37938989.79 0.3761 0.3034

Mercury -108579-04-01 12:57 J -37936966.07 -37936965.96 -37936965.84 0.3756 0.1211

Mercury -108574-10-16 11:02 J -37934942.16 -37934942.04 -37934941.92 0.3751 0.0699

Mercury -108570-10-16 04:19 J -37933481.35 -37933481.32 -37933481.29 0.3616 0.3490

Mercury -108568-05-01 09:36 J -37932918.19 -37932918.10 -37932918.02 0.3746 0.2679

Mercury -108564-05-01 00:28 J -37931457.58 -37931457.48 -37931457.38 0.3620 0.1906

Mercury -108559-11-14 20:24 J -37929433.77 -37929433.65 -37929433.53 0.3625 0.0381

Mercury -108553-05-30 16:19 J -37927409.94 -37927409.82 -37927409.71 0.3629 0.1142

Mercury -108548-12-14 11:45 J -37925386.09 -37925386.01 -37925385.93 0.3634 0.2584

Mercury -108528-04-22 14:24 J -37918316.99 -37918316.90 -37918316.80 0.3760 0.2396

Mercury -108523-11-06 12:14 J -37916293.11 -37916292.99 -37916292.87 0.3755 0.0554

Mercury -108517-05-22 10:19 J -37914269.18 -37914269.07 -37914268.95 0.3750 0.1377

Mercury -108513-05-22 03:07 J -37912808.44 -37912808.37 -37912808.30 0.3617 0.2912

Mercury -108512-12-06 08:52 J -37912245.18 -37912245.13 -37912245.08 0.3744 0.3366

Mercury -108508-12-05 23:16 J -37910784.65 -37910784.53 -37910784.42 0.3622 0.1352

Mercury -108502-06-21 19:12 J -37908760.82 -37908760.70 -37908760.58 0.3626 0.0206

Mercury -108496-01-04 14:38 J -37906736.99 -37906736.89 -37906736.78 0.3631 0.1655

Mercury -108491-07-21 10:04 J -37904713.14 -37904713.08 -37904713.02 0.3635 0.3090
 Mercury -108477-05-13 16:04 J -37899667.87 -37899667.83 -37899667.80 0.3763 0.3558
 Mercury -108472-11-27 13:26 J -37897644.05 -37897643.94 -37897643.83 0.3758 0.1765
 Mercury -108466-06-13 11:16 J -37895620.15 -37895620.03 -37895619.91 0.3753 0.0112
 Mercury -108461-12-27 09:36 J -37893596.20 -37893596.10 -37893596.00 0.3748 0.2041
 Mercury -108457-12-27 01:40 J -37892135.52 -37892135.43 -37892135.34 0.3619 0.2354
 Mercury -108451-07-12 21:50 J -37890111.71 -37890111.59 -37890111.47 0.3623 0.0796
 Mercury -108445-01-26 17:31 J -37888087.88 -37888087.77 -37888087.65 0.3627 0.0712
 Mercury -108440-08-11 13:12 J -37886064.04 -37886063.95 -37886063.85 0.3632 0.2166
 Mercury -108434-02-25 08:38 J -37884040.16 -37884040.14 -37884040.13 0.3636 0.3579
 Mercury -108421-12-18 14:52 J -37878994.95 -37878994.88 -37878994.80 0.3762 0.2938
 Mercury -108415-07-04 12:28 J -37876971.10 -37876970.98 -37876970.86 0.3757 0.1135
 Mercury -108409-01-18 10:33 J -37874947.18 -37874947.06 -37874946.94 0.3752 0.0760
 Mercury -108405-01-18 04:04 J -37873486.37 -37873486.33 -37873486.29 0.3616 0.3384
 Mercury -108404-08-03 08:38 J -37872923.22 -37872923.14 -37872923.05 0.3747 0.2701
 Mercury -108400-08-03 00:28 J -37871462.59 -37871462.48 -37871462.38 0.3620 0.1802
 Mercury -108394-02-16 20:24 J -37869438.77 -37869438.65 -37869438.53 0.3624 0.0260
 Mercury -108389-09-01 16:04 J -37867414.94 -37867414.83 -37867414.71 0.3629 0.1228
 Mercury -108383-03-18 11:45 J -37865391.09 -37865391.01 -37865390.93 0.3633 0.2674
 Mercury -108364-07-25 13:55 J -37858322.02 -37858321.92 -37858321.83 0.3760 0.2325
 Mercury -108358-02-08 11:31 J -37856298.14 -37856298.02 -37856297.90 0.3755 0.0497
 Mercury -108353-08-24 09:36 J -37854274.21 -37854274.10 -37854273.98 0.3750 0.1407
 Mercury -108349-08-24 02:52 J -37852813.46 -37852813.38 -37852813.31 0.3617 0.2813
 Mercury -108347-03-10 08:09 J -37852250.22 -37852250.16 -37852250.11 0.3745 0.3382
 Mercury -108343-03-09 23:02 J -37850789.65 -37850789.54 -37850789.42 0.3621 0.1240
 Mercury -108338-09-23 18:57 J -37848765.83 -37848765.71 -37848765.59 0.3625 0.0283
 Mercury -108332-04-08 14:38 J -37846741.99 -37846741.89 -37846741.78 0.3630 0.1754
 Mercury -108327-10-23 10:19 J -37844718.13 -37844718.07 -37844718.02 0.3635 0.3182
 Mercury -108313-08-15 15:21 J -37839672.90 -37839672.86 -37839672.81 0.3763 0.3468
 Mercury -108307-03-01 12:57 J -37837649.07 -37837648.96 -37837648.85 0.3759 0.1692

Mercury -108302-09-15 10:48 J -37835625.17 -37835625.05 -37835624.93 0.3754 0.0165

Mercury -108296-03-31 08:52 J -37833601.23 -37833601.13 -37833601.03 0.3749 0.2076

Mercury -108292-03-31 01:40 J -37832140.53 -37832140.43 -37832140.34 0.3618 0.2243

Mercury -108287-10-14 21:50 J -37830116.71 -37830116.59 -37830116.47 0.3622 0.0686

Mercury -108281-04-29 17:45 J -37828092.88 -37828092.76 -37828092.65 0.3627 0.0822

Mercury -108276-11-13 13:26 J -37826069.04 -37826068.94 -37826068.85 0.3631 0.2273

Mercury -108256-03-22 14:24 J -37818999.97 -37818999.90 -37818999.82 0.3762 0.2848

Mercury -108251-10-06 12:00 J -37816976.12 -37816976.00 -37816975.88 0.3757 0.1054

Mercury -108245-04-21 09:50 J -37814952.21 -37814952.09 -37814951.97 0.3752 0.0818

Mercury -108241-04-21 03:50 J -37813491.39 -37813491.34 -37813491.28 0.3615 0.3267

Mercury -108240-11-05 08:09 J -37812928.24 -37812928.16 -37812928.08 0.3747 0.2745

Mercury -108236-11-05 00:14 J -37811467.59 -37811467.49 -37811467.38 0.3620 0.1684

Mercury -108230-05-21 20:24 J -37809443.77 -37809443.65 -37809443.53 0.3624 0.0150

Mercury -108225-12-04 16:19 J -37807419.93 -37807419.82 -37807419.71 0.3628 0.1339

Mercury -108219-06-20 11:45 J -37805396.08 -37805396.01 -37805395.93 0.3633 0.2776

Mercury -108200-10-27 13:26 J -37798327.04 -37798326.94 -37798326.84 0.3761 0.2232

Mercury -108194-05-13 11:02 J -37796303.16 -37796303.04 -37796302.91 0.3756 0.0430

Mercury -108189-11-26 09:07 J -37794279.24 -37794279.12 -37794279.01 0.3751 0.1463

Mercury -108185-11-26 02:38 J -37792818.47 -37792818.39 -37792818.31 0.3617 0.2697

Mercury -108183-06-12 07:26 J -37792255.24 -37792255.19 -37792255.14 0.3746 0.3416

Mercury -108179-06-11 23:02 J -37790794.66 -37790794.54 -37790794.42 0.3621 0.1127

Mercury -108174-12-26 18:57 J -37788770.83 -37788770.71 -37788770.59 0.3625 0.0380

Mercury -108168-07-11 14:52 J -37786746.99 -37786746.88 -37786746.78 0.3630 0.1853

Mercury -108162-01-25 10:19 J -37784723.12 -37784723.07 -37784723.02 0.3634 0.3263

Mercury -108149-11-17 15:07 J -37779677.92 -37779677.87 -37779677.82 0.3764 0.3366

Mercury -108143-06-03 12:28 J -37777654.09 -37777653.98 -37777653.87 0.3759 0.1612

Mercury -108138-12-18 10:19 J -37775630.20 -37775630.07 -37775629.95 0.3754 0.0264

Mercury -108132-07-03 08:09 J -37773606.26 -37773606.16 -37773606.06 0.3750 0.2114

Mercury -108128-07-03 01:26 J -37772145.54 -37772145.44 -37772145.34 0.3618 0.2133

Mercury -108122-01-16 21:35 J -37770121.72 -37770121.60 -37770121.48 0.3622 0.0594

Mercury -108117-08-01 17:31 J -37768097.88 -37768097.77 -37768097.65 0.3627 0.0911

Mercury -108111-02-15 13:11 J -37766074.04 -37766073.95 -37766073.86 0.3631 0.2354

Mercury -108092-06-24 13:55 J -37759005.00 -37759004.92 -37759004.84 0.3763 0.2762

Mercury -108086-01-08 11:31 J -37756981.14 -37756981.02 -37756980.90 0.3758 0.0985

Mercury -108081-07-24 09:21 J -37754957.23 -37754957.11 -37754956.99 0.3753 0.0860

Mercury -108077-07-24 03:50 J -37753496.40 -37753496.34 -37753496.28 0.3615 0.3151

Mercury -108075-02-07 07:26 J -37752933.27 -37752933.19 -37752933.11 0.3748 0.2779

Mercury -108071-02-07 00:14 J -37751472.60 -37751472.49 -37751472.38 0.3619 0.1580

Mercury -108066-08-23 20:24 J -37749448.77 -37749448.65 -37749448.53 0.3623 0.0108

Mercury -108060-03-08 16:19 J -37747424.93 -37747424.82 -37747424.71 0.3628 0.1436

Mercury -108055-09-22 11:45 J -37745401.08 -37745401.01 -37745400.94 0.3632 0.2858

Mercury -108035-01-29 12:57 J -37738332.06 -37738331.96 -37738331.86 0.3761 0.2147

Mercury -108030-08-15 10:33 J -37736308.18 -37736308.06 -37736307.94 0.3756 0.0358

Mercury -108024-02-28 08:24 J -37734284.26 -37734284.15 -37734284.03 0.3752 0.1508

Mercury -108020-02-28 02:38 J -37732823.48 -37732823.39 -37732823.31 0.3616 0.2583

Mercury -108019-09-14 06:43 J -37732260.26 -37732260.22 -37732260.17 0.3746 0.3443

Mercury -108015-09-13 22:48 J -37730799.66 -37730799.55 -37730799.43 0.3620 0.1037

Mercury -108009-03-29 18:57 J -37728775.83 -37728775.71 -37728775.59 0.3625 0.0481

Mercury -108004-10-13 14:52 J -37726751.98 -37726751.88 -37726751.78 0.3629 0.1948

108TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 108th millennium BCE.

PLANET	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
	TRANSIT							
	TIME							
Mercury	-107998-04-29 10:19 J	-37724728.11	-37724728.07	-37724728.03	0.3634	0.3354		
Mercury	-107984-02-19 14:38 J	-37719682.95	-37719682.89	-37719682.83	0.3765	0.3275		
Mercury	-107979-09-05 12:00 J	-37717659.11	-37717659.00	-37717658.89	0.3760	0.1538		
Mercury	-107973-03-21 09:35 J	-37715635.22	-37715635.10	-37715634.98	0.3755	0.0270		
Mercury	-107968-10-05 07:40 J	-37713611.28	-37713611.18	-37713611.08	0.3750	0.2155		
Mercury	-107964-10-05 01:26 J	-37712150.54	-37712150.44	-37712150.34	0.3617	0.2027		
Mercury	-107958-04-20 21:35 J	-37710126.72	-37710126.60	-37710126.48	0.3622	0.0490		
Mercury	-107953-11-03 17:31 J	-37708102.88	-37708102.77	-37708102.65	0.3626	0.1015		
Mercury	-107947-05-20 13:26 J	-37706079.03	-37706078.94	-37706078.86	0.3630	0.2452		
Mercury	-107928-09-26 13:40 J	-37699010.02	-37699009.93	-37699009.85	0.3763	0.2676		
Mercury	-107922-04-12 11:02 J	-37696986.16	-37696986.04	-37696985.92	0.3758	0.0922		
Mercury	-107917-10-26 08:38 J	-37694962.26	-37694962.14	-37694962.02	0.3754	0.0912		
Mercury	-107913-10-26 03:35 J	-37693501.41	-37693501.35	-37693501.28	0.3614	0.3042		
Mercury	-107911-05-12 06:57 J	-37692938.29	-37692938.21	-37692938.13	0.3749	0.2810		
Mercury	-107907-05-12 00:00 J	-37691477.61	-37691477.50	-37691477.38	0.3618	0.1477		
Mercury	-107902-11-25 20:09 J	-37689453.78	-37689453.66	-37689453.53	0.3623	0.0144		
Mercury	-107896-06-10 16:19 J	-37687429.93	-37687429.82	-37687429.71	0.3627	0.1531		
Mercury	-107891-12-25 11:45 J	-37685406.07	-37685406.01	-37685405.94	0.3632	0.2948		
Mercury	-107871-05-03 12:28 J	-37678337.08	-37678336.98	-37678336.88	0.3762	0.2069		
Mercury	-107866-11-17 10:04 J	-37676313.20	-37676313.08	-37676312.96	0.3757	0.0296		
Mercury	-107860-06-02 07:55 J	-37674289.28	-37674289.17	-37674289.06	0.3752	0.1550		
Mercury	-107856-06-02 02:24 J	-37672828.49	-37672828.40	-37672828.31	0.3616	0.2475		
Mercury	-107855-12-17 06:14 J	-37672265.29	-37672265.24	-37672265.20	0.3747	0.3467		
Mercury	-107851-12-16 22:48 J	-37670804.67	-37670804.55	-37670804.43	0.3620	0.0926		
Mercury	-107845-07-01 18:57 J	-37668780.83	-37668780.71	-37668780.59	0.3624	0.0580		
Mercury	-107839-01-15 14:38 J	-37666756.98	-37666756.89	-37666756.79	0.3629	0.2036		
Mercury	-107834-08-01 10:19 J	-37664733.10	-37664733.07	-37664733.03	0.3633	0.3445		

Mercury -107820-05-24 14:24 J -37659687.97 -37659687.90 -37659687.84 0.3765 0.3181

Mercury -107815-12-08 11:31 J -37657664.13 -37657664.02 -37657663.91 0.3760 0.1458

Mercury -107809-06-23 09:07 J -37655640.24 -37655640.12 -37655640.00 0.3756 0.0332

Mercury -107805-06-23 04:48 J -37654179.33 -37654179.30 -37654179.28 0.3613 0.3502

Mercury -107803-01-07 07:11 J -37653616.30 -37653616.20 -37653616.10 0.3751 0.2199

Mercury -107799-01-07 01:11 J -37652155.55 -37652155.45 -37652155.35 0.3617 0.1921

Mercury -107794-07-23 21:35 J -37650131.72 -37650131.60 -37650131.48 0.3621 0.0387

Mercury -107788-02-05 17:31 J -37648107.88 -37648107.77 -37648107.65 0.3625 0.1098

Mercury -107783-08-22 13:26 J -37646084.03 -37646083.94 -37646083.86 0.3630 0.2538

Mercury -107764-12-29 13:11 J -37639015.03 -37639014.95 -37639014.86 0.3764 0.2584

Mercury -107758-07-15 10:33 J -37636991.18 -37636991.06 -37636990.94 0.3759 0.0852

Mercury -107752-01-28 08:09 J -37634967.28 -37634967.16 -37634967.04 0.3754 0.0962

Mercury -107748-01-28 03:21 J -37633506.43 -37633506.36 -37633506.29 0.3614 0.2943

Mercury -107747-08-14 06:14 J -37632943.32 -37632943.24 -37632943.16 0.3749 0.2829

Mercury -107743-08-14 00:00 J -37631482.61 -37631482.50 -37631482.39 0.3618 0.1374

Mercury -107737-02-27 20:09 J -37629458.78 -37629458.66 -37629458.54 0.3622 0.0149

Mercury -107732-09-12 16:04 J -37627434.94 -37627434.83 -37627434.72 0.3627 0.1610

Mercury -107726-03-29 11:45 J -37625411.07 -37625411.01 -37625410.94 0.3631 0.3036

Mercury -107712-01-19 15:07 J -37620365.90 -37620365.87 -37620365.85 0.3767 0.3683

Mercury -107707-08-05 12:00 J -37618342.10 -37618342.00 -37618341.90 0.3762 0.2001

Mercury -107701-02-19 09:35 J -37616318.22 -37616318.10 -37616317.98 0.3758 0.0254

Mercury -107696-09-04 07:11 J -37614294.31 -37614294.20 -37614294.09 0.3753 0.1587

Mercury -107692-09-04 02:09 J -37612833.50 -37612833.41 -37612833.32 0.3615 0.2384

Mercury -107690-03-21 05:31 J -37612270.32 -37612270.27 -37612270.23 0.3748 0.3475

Mercury -107686-03-20 22:48 J -37610809.67 -37610809.55 -37610809.44 0.3619 0.0841

Mercury -107681-10-03 18:57 J -37608785.83 -37608785.71 -37608785.60 0.3624 0.0682

Mercury -107675-04-19 14:38 J -37606761.98 -37606761.89 -37606761.79 0.3628 0.2118

Mercury -107670-11-03 10:19 J -37604738.09 -37604738.07 -37604738.04 0.3632 0.3528

Mercury -107656-08-26 13:55 J -37599692.99 -37599692.92 -37599692.86 0.3765 0.3104

Mercury -107650-03-12 11:02 J -37597669.15 -37597669.04 -37597668.93 0.3761 0.1396

Mercury -107645-09-25 08:38 J -37595645.26 -37595645.14 -37595645.02 0.3756 0.0384

Mercury -107641-09-25 04:19 J -37594184.36 -37594184.32 -37594184.28 0.3612 0.3405

Mercury -107639-04-11 06:28 J -37593621.33 -37593621.23 -37593621.13 0.3751 0.2222

Mercury -107635-04-11 00:57 J -37592160.56 -37592160.46 -37592160.35 0.3616 0.1827

Mercury -107630-10-25 21:21 J -37590136.73 -37590136.61 -37590136.48 0.3621 0.0306

Mercury -107624-05-10 17:31 J -37588112.88 -37588112.77 -37588112.66 0.3625 0.1188

Mercury -107619-11-24 13:26 J -37586089.02 -37586088.94 -37586088.86 0.3629 0.2624

Mercury -107599-04-02 12:43 J -37579020.06 -37579019.97 -37579019.88 0.3764 0.2510

Mercury -107594-10-17 10:04 J -37576996.20 -37576996.08 -37576995.96 0.3760 0.0785

Mercury -107588-05-02 07:40 J -37574972.30 -37574972.18 -37574972.06 0.3755 0.1007

Mercury -107584-05-02 03:21 J -37573511.44 -37573511.36 -37573511.29 0.3613 0.2837

Mercury -107583-11-16 05:45 J -37572948.34 -37572948.26 -37572948.19 0.3750 0.2865

Mercury -107579-11-15 23:45 J -37571487.62 -37571487.51 -37571487.39 0.3618 0.1277

Mercury -107573-05-31 20:09 J -37569463.78 -37569463.66 -37569463.54 0.3622 0.0250

Mercury -107568-12-15 16:04 J -37567439.93 -37567439.83 -37567439.72 0.3626 0.1709

Mercury -107562-07-01 12:00 J -37565416.06 -37565416.00 -37565415.94 0.3631 0.3122

Mercury -107548-04-23 14:38 J -37560370.92 -37560370.89 -37560370.85 0.3767 0.3584

Mercury -107543-11-07 11:45 J -37558347.11 -37558347.01 -37558346.91 0.3763 0.1912

Mercury -107537-05-23 09:07 J -37556323.24 -37556323.12 -37556323.00 0.3758 0.0174

Mercury -107532-12-07 06:57 J -37554299.32 -37554299.21 -37554299.10 0.3753 0.1642

Mercury -107528-12-07 02:09 J -37552838.51 -37552838.41 -37552838.32 0.3615 0.2271

Mercury -107526-06-23 04:48 J -37552275.34 -37552275.30 -37552275.26 0.3748 0.3505

Mercury -107522-06-22 22:33 J -37550814.68 -37550814.56 -37550814.44 0.3619 0.0734

Mercury -107516-01-05 18:43 J -37548790.84 -37548790.72 -37548790.60 0.3623 0.0767

Mercury -107511-07-22 14:52 J -37546766.98 -37546766.88 -37546766.79 0.3628 0.2212

Mercury -107505-02-05 10:19 J -37544743.08 -37544743.07 -37544743.05 0.3632 0.3602

Mercury -107492-11-28 13:26 J -37539698.01 -37539697.94 -37539697.87 0.3766 0.3010

Mercury -107486-06-14 10:33 J -37537674.17 -37537674.06 -37537673.94 0.3762 0.1326

Mercury -107481-12-28 08:09 J -37535650.28 -37535650.16 -37535650.04 0.3757 0.0437

Mercury -107477-12-28 04:04 J -37534189.37 -37534189.33 -37534189.28 0.3612 0.3303

Mercury -107475-07-14 05:45 J -37533626.35 -37533626.26 -37533626.16 0.3752 0.2256

Mercury -107471-07-14 00:57 J -37532165.57 -37532165.46 -37532165.35 0.3616 0.1723

Mercury -107465-01-27 21:21 J -37530141.74 -37530141.61 -37530141.49 0.3620 0.0229

Mercury -107460-08-12 17:31 J -37528117.89 -37528117.77 -37528117.66 0.3625 0.1279

Mercury -107454-02-26 13:11 J -37526094.02 -37526093.95 -37526093.87 0.3629 0.2703

Mercury -107435-07-05 12:28 J -37519025.07 -37519024.98 -37519024.89 0.3765 0.2436

Mercury -107429-01-19 09:35 J -37517001.22 -37517001.10 -37517000.98 0.3760 0.0725

Mercury -107424-08-04 07:11 J -37514977.32 -37514977.20 -37514977.09 0.3755 0.1044

Mercury -107420-08-04 03:07 J -37513516.45 -37513516.37 -37513516.29 0.3613 0.2738

Mercury -107418-02-18 05:02 J -37512953.37 -37512953.29 -37512953.21 0.3751 0.2881

Mercury -107414-02-17 23:45 J -37511492.63 -37511492.51 -37511492.40 0.3617 0.1190

Mercury -107409-09-02 19:55 J -37509468.79 -37509468.67 -37509468.55 0.3621 0.0333

Mercury -107403-03-19 16:04 J -37507444.93 -37507444.83 -37507444.72 0.3626 0.1785

Mercury -107398-10-03 12:00 J -37505421.06 -37505421.00 -37505420.95 0.3630 0.3194

Mercury -107384-07-26 14:24 J -37500375.95 -37500375.90 -37500375.86 0.3768 0.3507

Mercury -107378-02-09 11:16 J -37498352.13 -37498352.03 -37498351.92 0.3763 0.1842

Mercury -107373-08-25 08:38 J -37496328.26 -37496328.14 -37496328.02 0.3759 0.0160

Mercury -107367-03-11 06:14 J -37494304.35 -37494304.24 -37494304.13 0.3754 0.1662

Mercury -107363-03-11 01:55 J -37492843.52 -37492843.42 -37492843.32 0.3614 0.2176

Mercury -107362-09-25 04:19 J -37492280.36 -37492280.32 -37492280.28 0.3749 0.3518

Mercury -107358-09-24 22:19 J -37490819.69 -37490819.57 -37490819.44 0.3618 0.0656

Mercury -107352-04-09 18:43 J -37488795.84 -37488795.72 -37488795.60 0.3623 0.0848

Mercury -107347-10-24 14:38 J -37486771.98 -37486771.89 -37486771.79 0.3627 0.2297

Mercury -107327-03-02 13:11 J -37479703.02 -37479702.95 -37479702.88 0.3766 0.2929

Mercury -107322-09-16 10:19 J -37477679.19 -37477679.07 -37477678.96 0.3762 0.1256

Mercury -107316-04-01 07:40 J -37475655.30 -37475655.18 -37475655.06 0.3757 0.0486

Mercury -107312-04-01 04:04 J -37474194.39 -37474194.33 -37474194.28 0.3611 0.3199

Mercury -107311-10-16 05:31 J -37473631.37 -37473631.27 -37473631.18 0.3752 0.2291

Mercury -107307-10-16 00:43 J -37472170.58 -37472170.47 -37472170.36 0.3615 0.1623

Mercury -107301-04-30 21:07 J -37470146.74 -37470146.62 -37470146.49 0.3620 0.0163

Mercury -107296-11-14 17:31 J -37468122.88 -37468122.77 -37468122.66 0.3624 0.1369

Mercury -107290-05-31 13:26 J -37466099.02 -37466098.94 -37466098.87 0.3628 0.2790

Mercury -107271-10-07 12:00 J -37459030.09 -37459030.00 -37459029.90 0.3765 0.2350

Mercury -107265-04-22 09:07 J -37457006.24 -37457006.12 -37457006.00 0.3760 0.0670

Mercury -107260-11-06 06:43 J -37454982.34 -37454982.22 -37454982.11 0.3756 0.1091

Mercury -107256-11-06 02:52 J -37453521.46 -37453521.38 -37453521.30 0.3613 0.2633

Mercury -107254-05-23 04:33 J -37452958.39 -37452958.31 -37452958.24 0.3751 0.2910

Mercury -107250-05-22 23:31 J -37451497.64 -37451497.52 -37451497.40 0.3617 0.1084

Mercury -107245-12-05 19:55 J -37449473.79 -37449473.67 -37449473.55 0.3621 0.0418

Mercury -107239-06-21 16:04 J -37447449.93 -37447449.83 -37447449.73 0.3625 0.1872

Mercury -107233-01-05 12:00 J -37445426.05 -37445426.00 -37445425.96 0.3630 0.3273

Mercury -107220-10-28 13:55 J -37440380.96 -37440380.92 -37440380.87 0.3768 0.3416

Mercury -107214-05-14 11:02 J -37438357.15 -37438357.04 -37438356.94 0.3764 0.1774

Mercury -107209-11-27 08:09 J -37436333.28 -37436333.16 -37436333.04 0.3759 0.0070

Mercury -107203-06-13 05:45 J -37434309.37 -37434309.26 -37434309.15 0.3755 0.1699

Mercury -107199-06-13 01:40 J -37432848.53 -37432848.43 -37432848.33 0.3614 0.2081

Mercury -107198-12-28 03:35 J -37432285.39 -37432285.35 -37432285.31 0.3750 0.3533

Mercury -107194-12-27 22:19 J -37430824.69 -37430824.57 -37430824.45 0.3618 0.0554

Mercury -107188-07-12 18:43 J -37428800.84 -37428800.72 -37428800.61 0.3622 0.0938

Mercury -107182-01-26 14:38 J -37426776.98 -37426776.89 -37426776.80 0.3627 0.2363

Mercury -107163-06-04 12:57 J -37419708.04 -37419707.96 -37419707.89 0.3767 0.2848

Mercury -107158-12-19 09:50 J -37417684.20 -37417684.09 -37417683.98 0.3762 0.1191

Mercury -107152-07-04 07:11 J -37415660.32 -37415660.20 -37415660.08 0.3758 0.0530

Mercury -107148-07-04 03:50 J -37414199.40 -37414199.34 -37414199.28 0.3611 0.3100

Mercury -107146-01-18 04:48 J -37413636.39 -37413636.30 -37413636.20 0.3753 0.2314

Mercury -107142-01-18 00:28 J -37412175.59 -37412175.48 -37412175.37 0.3615 0.1541

Mercury -107137-08-02 21:07 J -37410151.74 -37410151.62 -37410151.50 0.3619 0.0043

Mercury -107131-02-16 17:16 J -37408127.89 -37408127.78 -37408127.67 0.3623 0.1440

Mercury -107126-09-02 13:11 J -37406104.02 -37406103.95 -37406103.87 0.3628 0.2858

Mercury -107106-01-09 11:45 J -37399035.11 -37399035.01 -37399034.92 0.3766 0.2272

Mercury -107101-07-25 08:38 J -37397011.25 -37397011.14 -37397011.02 0.3761 0.0624

Mercury -107095-02-08 06:14 J -37394987.36 -37394987.24 -37394987.13 0.3757 0.1132

Mercury -107091-02-08 02:38 J -37393526.48 -37393526.39 -37393526.30 0.3612 0.2545

Mercury -107090-08-25 03:50 J -37392963.41 -37392963.34 -37392963.26 0.3752 0.2923

Mercury -107086-08-24 23:16 J -37391502.65 -37391502.53 -37391502.41 0.3616 0.1002

Mercury -107080-03-09 19:55 J -37389478.79 -37389478.67 -37389478.55 0.3620 0.0513

Mercury -107075-09-23 16:04 J -37387454.94 -37387454.83 -37387454.73 0.3625 0.1949

Mercury -107069-04-08 12:00 J -37385431.05 -37385431.00 -37385430.96 0.3629 0.3347

Mercury -107055-01-30 13:40 J -37380385.98 -37380385.93 -37380385.87 0.3769 0.3325

Mercury -107050-08-16 10:33 J -37378362.17 -37378362.06 -37378361.95 0.3764 0.1708

Mercury -107044-03-01 07:40 J -37376338.30 -37376338.18 -37376338.06 0.3760 0.0090

Mercury -107040-03-01 04:33 J -37374877.32 -37374877.31 -37374877.29 0.3609 0.3568

Mercury -107039-09-15 05:16 J -37374314.39 -37374314.28 -37374314.17 0.3755 0.1731

Mercury -107035-09-15 01:26 J -37372853.54 -37372853.44 -37372853.34 0.3613 0.1996

Mercury -107033-03-31 03:07 J -37372290.41 -37372290.37 -37372290.33 0.3750 0.3543

Mercury -107029-03-30 22:04 J -37370829.70 -37370829.58 -37370829.45 0.3618 0.0478

Mercury -107024-10-14 18:28 J -37368805.84 -37368805.73 -37368805.61 0.3622 0.1020

Mercury -107018-04-30 14:38 J -37366781.98 -37366781.89 -37366781.80 0.3626 0.2441

107TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 107th millennium BCE.

PLANET	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
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TRANSIT

TIME

Mercury -106999-09-06 12:28 J -37359713.06 -37359712.98 -37359712.90 0.3767 0.2769
Mercury -106993-03-22 09:21 J -37357689.22 -37357689.11 -37357688.99 0.3763 0.1137
Mercury -106988-10-06 06:43 J -37355665.34 -37355665.22 -37355665.10 0.3758 0.0572
Mercury -106984-10-06 03:21 J -37354204.42 -37354204.36 -37354204.29 0.3610 0.3012
Mercury -106982-04-22 04:19 J -37353641.42 -37353641.32 -37353641.23 0.3753 0.2334
Mercury -106978-04-22 00:14 J -37352180.60 -37352180.49 -37352180.37 0.3615 0.1456
Mercury -106973-11-04 20:52 J -37350156.75 -37350156.63 -37350156.50 0.3619 0.0120
Mercury -106967-05-21 17:16 J -37348132.89 -37348132.78 -37348132.67 0.3623 0.1523
Mercury -106962-12-05 13:11 J -37346109.02 -37346108.95 -37346108.88 0.3627 0.2933
Mercury -106942-04-13 11:16 J -37339040.12 -37339040.03 -37339039.93 0.3766 0.2208
Mercury -106937-10-27 08:24 J -37337016.27 -37337016.15 -37337016.03 0.3762 0.0557
Mercury -106931-05-13 05:45 J -37334992.38 -37334992.26 -37334992.15 0.3757 0.1165
Mercury -106927-05-13 02:24 J -37333531.49 -37333531.40 -37333531.31 0.3612 0.2454
Mercury -106926-11-27 03:21 J -37332968.43 -37332968.36 -37332968.28 0.3752 0.2946
Mercury -106922-11-26 23:16 J -37331507.65 -37331507.53 -37331507.41 0.3616 0.0912
Mercury -106916-06-11 19:40 J -37329483.80 -37329483.68 -37329483.56 0.3620 0.0593
Mercury -106911-12-26 15:50 J -37327459.94 -37327459.84 -37327459.74 0.3624 0.2028
Mercury -106905-07-11 12:00 J -37325436.04 -37325436.00 -37325435.97 0.3629 0.3419
Mercury -106891-05-04 13:26 J -37320391.00 -37320390.94 -37320390.88 0.3769 0.3240
Mercury -106886-11-18 10:19 J -37318367.18 -37318367.07 -37318366.97 0.3765 0.1641
Mercury -106880-06-03 07:26 J -37316343.31 -37316343.19 -37316343.07 0.3760 0.0098
Mercury -106876-06-03 04:19 J -37314882.35 -37314882.32 -37314882.29 0.3609 0.3469
Mercury -106875-12-18 04:48 J -37314319.41 -37314319.30 -37314319.19 0.3756 0.1766
Mercury -106871-12-18 01:11 J -37312858.55 -37312858.45 -37312858.34 0.3613 0.1905
Mercury -106869-07-03 02:38 J -37312295.43 -37312295.39 -37312295.36 0.3751 0.3561
Mercury -106865-07-02 22:04 J -37310834.70 -37310834.58 -37310834.46 0.3617 0.0375
Mercury -106859-01-16 18:28 J -37308810.85 -37308810.73 -37308810.62 0.3621 0.1095
Mercury -106854-08-02 14:38 J -37306786.98 -37306786.89 -37306786.81 0.3626 0.2521

Mercury -106835-12-09 12:14 J -37299718.07 -37299717.99 -37299717.91 0.3768 0.2686

Mercury -106829-06-24 09:07 J -37297694.24 -37297694.12 -37297694.01 0.3764 0.1069

Mercury -106823-01-08 06:14 J -37295670.36 -37295670.24 -37295670.12 0.3759 0.0629

Mercury -106819-01-08 03:07 J -37294209.44 -37294209.37 -37294209.29 0.3610 0.2921

Mercury -106818-07-25 03:50 J -37293646.44 -37293646.34 -37293646.25 0.3754 0.2359

Mercury -106814-07-25 00:14 J -37292185.61 -37292185.49 -37292185.38 0.3614 0.1357

Mercury -106808-02-06 20:52 J -37290161.76 -37290161.63 -37290161.51 0.3618 0.0179

Mercury -106803-08-23 17:02 J -37288137.89 -37288137.79 -37288137.68 0.3623 0.1605

Mercury -106797-03-08 13:11 J -37286114.01 -37286113.95 -37286113.88 0.3627 0.3004

Mercury -106784-12-30 14:24 J -37281068.92 -37281068.90 -37281068.88 0.3771 0.3705

Mercury -106778-07-16 11:02 J -37279045.14 -37279045.04 -37279044.94 0.3767 0.2138

Mercury -106772-01-29 07:55 J -37277021.29 -37277021.17 -37277021.05 0.3762 0.0507

Mercury -106767-08-15 05:16 J -37274997.40 -37274997.28 -37274997.17 0.3758 0.1196

Mercury -106763-08-15 02:09 J -37273536.50 -37273536.41 -37273536.32 0.3612 0.2368

Mercury -106761-02-29 02:52 J -37272973.45 -37272973.38 -37272973.31 0.3753 0.2959

Mercury -106757-02-28 23:02 J -37271512.66 -37271512.54 -37271512.42 0.3615 0.0830

Mercury -106752-09-13 19:26 J -37269488.81 -37269488.69 -37269488.57 0.3620 0.0660

Mercury -106746-03-30 15:50 J -37267464.94 -37267464.84 -37267464.74 0.3624 0.2096

Mercury -106741-10-13 11:45 J -37265441.04 -37265441.01 -37265440.98 0.3628 0.3482

Mercury -106727-08-06 12:57 J -37260396.02 -37260395.96 -37260395.89 0.3770 0.3175

Mercury -106721-02-20 09:50 J -37258372.20 -37258372.09 -37258371.98 0.3765 0.1580

Mercury -106716-09-05 06:57 J -37256348.33 -37256348.21 -37256348.09 0.3761 0.0146

Mercury -106712-09-05 03:50 J -37254887.38 -37254887.34 -37254887.30 0.3609 0.3398

Mercury -106710-03-22 04:19 J -37254324.43 -37254324.32 -37254324.22 0.3756 0.1785

Mercury -106706-03-22 00:57 J -37252863.56 -37252863.46 -37252863.35 0.3613 0.1822

Mercury -106705-10-05 01:55 J -37252300.45 -37252300.42 -37252300.38 0.3751 0.3563

Mercury -106701-10-04 21:50 J -37250839.71 -37250839.59 -37250839.47 0.3617 0.0306

Mercury -106695-04-20 18:14 J -37248815.85 -37248815.74 -37248815.62 0.3621 0.1166

Mercury -106690-11-04 14:38 J -37246791.98 -37246791.89 -37246791.81 0.3625 0.2592

Mercury -106670-03-13 11:45 J -37239723.09 -37239723.01 -37239722.92 0.3768 0.2629

Mercury -106665-09-26 08:38 J -37237699.25 -37237699.14 -37237699.02 0.3764 0.1021

Mercury -106659-04-12 05:45 J -37235675.38 -37235675.26 -37235675.14 0.3759 0.0658

Mercury -106655-04-12 02:52 J -37234214.45 -37234214.38 -37234214.30 0.3610 0.2834

Mercury -106654-10-27 03:21 J -37233651.45 -37233651.36 -37233651.27 0.3755 0.2383

Mercury -106650-10-27 00:00 J -37232190.62 -37232190.50 -37232190.38 0.3614 0.1272

Mercury -106644-05-11 20:38 J -37230166.76 -37230166.64 -37230166.52 0.3618 0.0222

Mercury -106639-11-25 17:02 J -37228142.90 -37228142.79 -37228142.68 0.3622 0.1677

Mercury -106633-06-10 13:11 J -37226119.01 -37226118.95 -37226118.89 0.3626 0.3078

Mercury -106619-04-03 14:09 J -37221073.94 -37221073.91 -37221073.88 0.3771 0.3624

Mercury -106614-10-18 10:48 J -37219050.15 -37219050.05 -37219049.95 0.3767 0.2067

Mercury -106608-05-03 07:40 J -37217026.30 -37217026.18 -37217026.06 0.3763 0.0443

Mercury -106603-11-17 04:48 J -37215002.41 -37215002.30 -37215002.18 0.3758 0.1236

Mercury -106599-11-17 01:55 J -37213541.51 -37213541.42 -37213541.32 0.3611 0.2275

Mercury -106597-06-02 02:24 J -37212978.47 -37212978.40 -37212978.33 0.3753 0.2982

Mercury -106593-06-01 22:47 J -37211517.67 -37211517.55 -37211517.43 0.3615 0.0743

Mercury -106588-12-16 19:26 J -37209493.81 -37209493.69 -37209493.57 0.3619 0.0740

Mercury -106582-07-02 15:50 J -37207469.94 -37207469.84 -37207469.74 0.3623 0.2174

Mercury -106576-01-15 11:45 J -37205446.03 -37205446.01 -37205445.99 0.3628 0.3550

Mercury -106563-11-08 12:57 J -37200401.03 -37200400.96 -37200400.90 0.3770 0.3088

Mercury -106557-05-24 09:35 J -37198377.21 -37198377.10 -37198376.99 0.3766 0.1510

Mercury -106552-12-08 06:28 J -37196353.35 -37196353.23 -37196353.11 0.3761 0.0161

Mercury -106548-12-08 03:35 J -37194892.39 -37194892.35 -37194892.30 0.3608 0.3302

Mercury -106546-06-24 03:50 J -37194329.44 -37194329.34 -37194329.23 0.3757 0.1819

Mercury -106542-06-24 00:57 J -37192868.57 -37192868.46 -37192868.35 0.3612 0.1731

Mercury -106540-01-07 01:26 J -37192305.47 -37192305.44 -37192305.40 0.3752 0.3576

Mercury -106536-01-06 21:35 J -37190844.72 -37190844.60 -37190844.47 0.3616 0.0228

Mercury -106531-07-23 18:14 J -37188820.86 -37188820.74 -37188820.63 0.3620 0.1245

Mercury -106525-02-06 14:23 J -37186796.98 -37186796.90 -37186796.82 0.3625 0.2650

Mercury -106506-06-15 11:31 J -37179728.10 -37179728.02 -37179727.93 0.3769 0.2551

Mercury -106501-12-29 08:23 J -37177704.27 -37177704.15 -37177704.03 0.3764 0.0956

Mercury -106495-07-15 05:31 J -37175680.39 -37175680.27 -37175680.16 0.3760 0.0699

Mercury -106491-07-15 02:38 J -37174219.47 -37174219.39 -37174219.31 0.3610 0.2747

Mercury -106489-01-29 02:52 J -37173656.47 -37173656.38 -37173656.29 0.3755 0.2402

Mercury -106485-01-28 23:45 J -37172195.63 -37172195.51 -37172195.40 0.3613 0.1208

Mercury -106480-08-13 20:23 J -37170171.77 -37170171.65 -37170171.53 0.3618 0.0299

Mercury -106474-02-27 16:47 J -37168147.90 -37168147.80 -37168147.69 0.3622 0.1741

Mercury -106469-09-12 12:57 J -37166124.01 -37166123.96 -37166123.90 0.3626 0.3131

Mercury -106455-07-06 13:55 J -37161078.96 -37161078.92 -37161078.89 0.3772 0.3550

Mercury -106449-01-20 10:19 J -37159055.17 -37159055.07 -37159054.97 0.3768 0.2008

Mercury -106444-08-05 07:11 J -37157031.32 -37157031.20 -37157031.08 0.3763 0.0408

Mercury -106438-02-19 04:19 J -37155007.43 -37155007.32 -37155007.20 0.3759 0.1263

Mercury -106434-02-19 01:40 J -37153546.53 -37153546.43 -37153546.34 0.3611 0.2204

Mercury -106433-09-04 01:55 J -37152983.50 -37152983.42 -37152983.35 0.3754 0.2982

Mercury -106429-09-03 22:33 J -37151522.68 -37151522.56 -37151522.44 0.3615 0.0674

Mercury -106423-03-20 19:11 J -37149498.82 -37149498.70 -37149498.58 0.3619 0.0817

Mercury -106418-10-04 15:35 J -37147474.94 -37147474.85 -37147474.75 0.3623 0.2232

Mercury -106412-04-19 11:45 J -37145451.02 -37145451.01 -37145451.00 0.3627 0.3609

Mercury -106398-02-10 12:43 J -37140406.04 -37140405.97 -37140405.91 0.3771 0.3016

Mercury -106393-08-26 09:07 J -37138382.23 -37138382.12 -37138382.01 0.3766 0.1461

Mercury -106387-03-12 06:14 J -37136358.36 -37136358.24 -37136358.12 0.3762 0.0200

Mercury -106383-03-12 03:21 J -37134897.41 -37134897.36 -37134897.30 0.3608 0.3216

Mercury -106382-09-26 03:21 J -37134334.46 -37134334.36 -37134334.25 0.3757 0.1844

Mercury -106378-09-26 00:28 J -37132873.59 -37132873.48 -37132873.37 0.3612 0.1660

Mercury -106376-04-11 00:57 J -37132310.49 -37132310.46 -37132310.43 0.3752 0.3574

Mercury -106372-04-10 21:21 J -37130849.73 -37130849.61 -37130849.48 0.3616 0.0195

Mercury -106367-10-25 17:59 J -37128825.86 -37128825.75 -37128825.63 0.3620 0.1323

Mercury -106361-05-10 14:23 J -37126801.98 -37126801.90 -37126801.82 0.3624 0.2719

Mercury -106342-09-17 11:16 J -37119733.11 -37119733.03 -37119732.94 0.3769 0.2481

Mercury -106336-04-02 08:09 J -37117709.28 -37117709.16 -37117709.05 0.3765 0.0920

Mercury -106331-10-17 05:02 J -37115685.41 -37115685.29 -37115685.17 0.3760 0.0729

Mercury -106327-10-17 02:23 J -37114224.48 -37114224.40 -37114224.32 0.3609 0.2660

Mercury -106325-05-02 02:23 J -37113661.49 -37113661.40 -37113661.31 0.3756 0.2420

Mercury -106321-05-01 23:31 J -37112200.64 -37112200.52 -37112200.40 0.3613 0.1123

Mercury -106316-11-15 20:23 J -37110176.77 -37110176.65 -37110176.53 0.3617 0.0378

Mercury -106310-06-01 16:47 J -37108152.90 -37108152.80 -37108152.69 0.3621 0.1814

Mercury -106305-12-15 12:57 J -37106129.01 -37106128.96 -37106128.90 0.3625 0.3203

Mercury -106291-10-08 13:40 J -37101083.97 -37101083.93 -37101083.89 0.3772 0.3468

Mercury -106285-04-23 10:04 J -37099060.18 -37099060.08 -37099059.98 0.3768 0.1941

Mercury -106280-11-07 06:57 J -37097036.33 -37097036.21 -37097036.09 0.3764 0.0361

Mercury -106274-05-24 04:04 J -37095012.44 -37095012.33 -37095012.22 0.3759 0.1296

Mercury -106270-05-24 01:26 J -37093551.54 -37093551.44 -37093551.34 0.3610 0.2118

Mercury -106269-12-07 01:26 J -37092988.51 -37092988.44 -37092988.37 0.3754 0.2997

Mercury -106265-12-06 22:19 J -37091527.69 -37091527.57 -37091527.44 0.3614 0.0601

Mercury -106259-06-22 19:11 J -37089503.82 -37089503.70 -37089503.58 0.3618 0.0883

Mercury -106253-01-06 15:35 J -37087479.95 -37087479.85 -37087479.76 0.3623 0.2298

Mercury -106234-05-15 12:28 J -37080411.06 -37080410.98 -37080410.91 0.3771 0.2944

Mercury -106229-11-28 08:52 J -37078387.24 -37078387.13 -37078387.02 0.3767 0.1400

Mercury -106223-06-14 05:45 J -37076363.38 -37076363.26 -37076363.14 0.3762 0.0203

Mercury -106219-06-14 03:07 J -37074902.43 -37074902.37 -37074902.31 0.3607 0.3134

Mercury -106218-12-29 02:52 J -37074339.48 -37074339.38 -37074339.27 0.3758 0.1866

Mercury -106214-12-29 00:14 J -37072878.60 -37072878.49 -37072878.38 0.3611 0.1583

Mercury -106212-07-14 00:28 J -37072315.52 -37072315.48 -37072315.45 0.3753 0.3575

Mercury -106208-07-13 21:21 J -37070854.74 -37070854.61 -37070854.49 0.3615 0.0126

Mercury -106202-01-27 17:45 J -37068830.87 -37068830.76 -37068830.64 0.3619 0.1380

Mercury -106197-08-12 14:09 J -37066806.98 -37066806.91 -37066806.83 0.3624 0.2784

Mercury -106178-12-20 11:02 J -37059738.13 -37059738.04 -37059737.95 0.3770 0.2414

Mercury -106172-07-05 07:40 J -37057714.29 -37057714.18 -37057714.06 0.3766 0.0861

Mercury -106166-01-19 04:47 J -37055690.42 -37055690.30 -37055690.19 0.3761 0.0768

Mercury -106162-01-19 02:09 J -37054229.50 -37054229.41 -37054229.33 0.3609 0.2591

Mercury -106161-08-04 01:55 J -37053666.51 -37053666.42 -37053666.33 0.3756 0.2428

Mercury -106157-08-03 23:16 J -37052205.65 -37052205.53 -37052205.41 0.3613 0.1045

Mercury -106151-02-17 20:09 J -37050181.78 -37050181.66 -37050181.54 0.3617 0.0441

Mercury -106146-09-03 16:33 J -37048157.91 -37048157.81 -37048157.70 0.3621 0.1875

Mercury -106140-03-19 12:57 J -37046134.01 -37046133.96 -37046133.91 0.3625 0.3259

Mercury -106126-01-10 13:26 J -37041088.99 -37041088.94 -37041088.89 0.3773 0.3390

Mercury -106121-07-26 09:50 J -37039065.19 -37039065.09 -37039064.99 0.3768 0.1881

Mercury -106115-02-09 06:28 J -37037041.34 -37037041.23 -37037041.11 0.3764 0.0338

Mercury -106110-08-26 03:35 J -37035017.46 -37035017.35 -37035017.24 0.3760 0.1315

Mercury -106106-08-26 00:57 J -37033556.56 -37033556.46 -37033556.35 0.3610 0.2048

Mercury -106104-03-11 00:57 J -37032993.53 -37032993.46 -37032993.39 0.3755 0.3003

Mercury -106100-03-10 22:04 J -37031532.70 -37031532.58 -37031532.45 0.3614 0.0531

Mercury -106095-09-24 18:57 J -37029508.83 -37029508.71 -37029508.59 0.3618 0.0942

Mercury -106089-04-09 15:21 J -37027484.95 -37027484.86 -37027484.76 0.3622 0.2363

Mercury -106070-08-17 11:59 J -37020416.07 -37020416.00 -37020415.92 0.3771 0.2881

Mercury -106064-03-02 08:38 J -37018392.25 -37018392.14 -37018392.03 0.3767 0.1349

Mercury -106059-09-16 05:31 J -37016368.39 -37016368.27 -37016368.15 0.3763 0.0262

Mercury -106055-09-16 02:38 J -37014907.45 -37014907.39 -37014907.32 0.3607 0.3066

Mercury -106053-04-01 02:38 J -37014344.50 -37014344.39 -37014344.29 0.3758 0.1880

Mercury -106049-03-31 23:59 J -37012883.61 -37012883.50 -37012883.38 0.3611 0.1509

Mercury -106048-10-15 23:59 J -37012320.53 -37012320.50 -37012320.47 0.3754 0.3580

Mercury -106044-10-15 21:07 J -37010859.75 -37010859.62 -37010859.50 0.3615 0.0084

Mercury -106038-05-01 17:45 J -37008835.87 -37008835.76 -37008835.65 0.3619 0.1438

Mercury -106033-11-14 14:09 J -37006811.98 -37006811.91 -37006811.83 0.3623 0.2843

Mercury -106013-03-23 10:47 J -36999743.14 -36999743.05 -36999742.96 0.3770 0.2354

Mercury -106008-10-07 07:26 J -36997719.31 -36997719.19 -36997719.07 0.3766 0.0812

Mercury -106002-04-23 04:19 J -36995695.44 -36995695.32 -36995695.20 0.3761 0.0788

106TH MILLENNIUM

BCE

This is a list of transits visible from Venus in the 106th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-105998-04-23 01:40 J	-36994234.52	-36994234.43	-36994234.34	0.3608	0.2517		
Mercury	-105997-11-06 01:26 J	-36993671.53	-36993671.44	-36993671.35	0.3757	0.2443		
Mercury	-105993-11-05 23:02 J	-36992210.66	-36992210.54	-36992210.42	0.3612	0.0977		
Mercury	-105987-05-22 19:55 J	-36990186.79	-36990186.67	-36990186.55	0.3616	0.0503		
Mercury	-105982-12-06 16:33 J	-36988162.91	-36988162.81	-36988162.71	0.3620	0.1932		
Mercury	-105976-06-21 12:57 J	-36986139.01	-36986138.96	-36986138.92	0.3624	0.3316		
Mercury	-105962-04-14 13:11 J	-36981094.00	-36981093.95	-36981093.90	0.3773	0.3323		
Mercury	-105957-10-28 09:35 J	-36979070.20	-36979070.10	-36979070.00	0.3769	0.1824		
Mercury	-105951-05-14 06:14 J	-36977046.36	-36977046.24	-36977046.12	0.3765	0.0273		
Mercury	-105947-05-14 03:21 J	-36975585.38	-36975585.36	-36975585.34	0.3606	0.3542		
Mercury	-105946-11-28 03:07 J	-36975022.48	-36975022.37	-36975022.25	0.3760	0.1349		
Mercury	-105942-11-28 00:43 J	-36973561.57	-36973561.47	-36973561.36	0.3609	0.1971		
Mercury	-105940-06-13 00:28 J	-36972998.55	-36972998.48	-36972998.41	0.3756	0.3015		
Mercury	-105936-06-12 22:04 J	-36971537.71	-36971537.58	-36971537.46	0.3613	0.0465		
Mercury	-105931-12-27 18:43 J	-36969513.84	-36969513.72	-36969513.60	0.3617	0.1011		
Mercury	-105925-07-12 15:21 J	-36967489.95	-36967489.86	-36967489.77	0.3622	0.2422		
Mercury	-105906-11-19 11:59 J	-36960421.08	-36960421.00	-36960420.92	0.3772	0.2802		
Mercury	-105900-06-04 08:23 J	-36958397.26	-36958397.15	-36958397.04	0.3768	0.1290		
Mercury	-105895-12-19 05:16 J	-36956373.40	-36956373.28	-36956373.17	0.3763	0.0309		

Mercury -105891-12-19 02:23 J -36954912.47 -36954912.40 -36954912.33 0.3607 0.2982

Mercury -105889-07-04 02:09 J -36954349.51 -36954349.41 -36954349.31 0.3759 0.1900

Mercury -105885-07-03 23:45 J -36952888.62 -36952888.51 -36952888.39 0.3611 0.1433

Mercury -105883-01-17 23:31 J -36952325.55 -36952325.52 -36952325.48 0.3754 0.3587

Mercury -105879-01-17 20:52 J -36950864.76 -36950864.63 -36950864.51 0.3615 0.0086

Mercury -105874-08-03 17:31 J -36948840.88 -36948840.77 -36948840.65 0.3619 0.1510

Mercury -105868-02-16 14:09 J -36946816.99 -36946816.91 -36946816.84 0.3623 0.2896

Mercury -105855-12-10 14:23 J -36941771.91 -36941771.90 -36941771.89 0.3774 0.3753

Mercury -105849-06-25 10:33 J -36939748.15 -36939748.06 -36939747.96 0.3771 0.2289

Mercury -105843-01-09 07:11 J -36937724.32 -36937724.20 -36937724.09 0.3766 0.0762

Mercury -105838-07-26 04:04 J -36935700.45 -36935700.33 -36935700.22 0.3762 0.0828

Mercury -105834-07-26 01:26 J -36934239.53 -36934239.44 -36934239.35 0.3608 0.2437

Mercury -105832-02-08 01:11 J -36933676.54 -36933676.45 -36933676.36 0.3758 0.2458

Mercury -105828-02-07 22:47 J -36932215.68 -36932215.55 -36932215.43 0.3612 0.0923

Mercury -105823-08-24 19:40 J -36930191.80 -36930191.68 -36930191.56 0.3616 0.0565

Mercury -105817-03-09 16:19 J -36928167.92 -36928167.82 -36928167.72 0.3620 0.1991

Mercury -105812-09-23 12:43 J -36926144.01 -36926143.97 -36926143.93 0.3624 0.3359

Mercury -105798-07-17 12:57 J -36921099.01 -36921098.96 -36921098.90 0.3773 0.3256

Mercury -105792-01-30 09:21 J -36919075.21 -36919075.11 -36919075.01 0.3769 0.1769

Mercury -105787-08-16 05:59 J -36917051.37 -36917051.25 -36917051.14 0.3765 0.0264

Mercury -105783-08-16 02:52 J -36915590.41 -36915590.38 -36915590.35 0.3605 0.3470

Mercury -105781-03-01 02:52 J -36915027.49 -36915027.38 -36915027.27 0.3761 0.1360

Mercury -105777-03-01 00:28 J -36913566.59 -36913566.48 -36913566.38 0.3609 0.1908

Mercury -105776-09-14 23:59 J -36913003.57 -36913003.50 -36913003.43 0.3756 0.3010

Mercury -105772-09-14 21:35 J -36911542.72 -36911542.60 -36911542.48 0.3613 0.0398

Mercury -105766-03-31 18:28 J -36909518.84 -36909518.73 -36909518.61 0.3617 0.1068

Mercury -105761-10-14 15:07 J -36907494.96 -36907494.87 -36907494.78 0.3621 0.2470

Mercury -105741-02-21 11:45 J -36900426.09 -36900426.01 -36900425.93 0.3772 0.2744

Mercury -105736-09-06 08:09 J -36898402.28 -36898402.16 -36898402.05 0.3768 0.1259

Mercury -105730-03-23 04:47 J -36896378.42 -36896378.30 -36896378.18 0.3764 0.0306

Mercury -105726-03-23 01:55 J -36894917.49 -36894917.42 -36894917.34 0.3606 0.2917

Mercury -105725-10-06 01:40 J -36894354.53 -36894354.43 -36894354.32 0.3759 0.1913

Mercury -105721-10-05 23:31 J -36892893.64 -36892893.52 -36892893.41 0.3610 0.1380

Mercury -105719-04-21 23:02 J -36892330.57 -36892330.54 -36892330.51 0.3755 0.3572

Mercury -105715-04-21 20:38 J -36890869.77 -36890869.64 -36890869.52 0.3614 0.0148

Mercury -105710-11-05 17:31 J -36888845.88 -36888845.77 -36888845.66 0.3618 0.1566

Mercury -105704-05-21 13:55 J -36886821.99 -36886821.92 -36886821.85 0.3622 0.2946

Mercury -105690-03-14 14:09 J -36881776.93 -36881776.91 -36881776.89 0.3775 0.3688

Mercury -105685-09-27 10:19 J -36879753.16 -36879753.07 -36879752.97 0.3771 0.2235

Mercury -105679-04-13 06:57 J -36877729.33 -36877729.21 -36877729.10 0.3767 0.0733

Mercury -105674-10-28 03:35 J -36875705.46 -36875705.35 -36875705.23 0.3762 0.0849

Mercury -105670-10-28 01:11 J -36874244.55 -36874244.45 -36874244.36 0.3607 0.2367

Mercury -105668-05-13 00:43 J -36873681.56 -36873681.47 -36873681.38 0.3758 0.2470

Mercury -105664-05-12 22:33 J -36872220.69 -36872220.56 -36872220.44 0.3611 0.0853

Mercury -105659-11-26 19:26 J -36870196.81 -36870196.69 -36870196.56 0.3615 0.0642

Mercury -105653-06-11 16:19 J -36868172.92 -36868172.82 -36868172.72 0.3619 0.2053

Mercury -105648-12-26 12:43 J -36866149.01 -36866148.97 -36866148.93 0.3624 0.3416

Mercury -105634-10-19 12:57 J -36861104.02 -36861103.96 -36861103.90 0.3774 0.3179

Mercury -105628-05-04 09:07 J -36859080.22 -36859080.12 -36859080.01 0.3770 0.1713

Mercury -105623-11-18 05:45 J -36857056.38 -36857056.26 -36857056.14 0.3765 0.0205

Mercury -105619-11-18 02:38 J -36855595.43 -36855595.39 -36855595.35 0.3605 0.3391

Mercury -105617-06-03 02:38 J -36855032.50 -36855032.39 -36855032.28 0.3761 0.1391

Mercury -105613-06-03 00:14 J -36853571.60 -36853571.49 -36853571.38 0.3609 0.1832

Mercury -105612-12-17 23:45 J -36853008.58 -36853008.51 -36853008.44 0.3757 0.3022

Mercury -105608-12-17 21:21 J -36851547.73 -36851547.61 -36851547.48 0.3613 0.0337

Mercury -105602-07-03 18:28 J -36849523.85 -36849523.73 -36849523.61 0.3617 0.1130

Mercury -105596-01-16 15:07 J -36847499.96 -36847499.87 -36847499.79 0.3621 0.2526

Mercury -105577-05-25 11:31 J -36840431.10 -36840431.02 -36840430.94 0.3772 0.2677

Mercury -105572-12-09 07:55 J -36838407.28 -36838407.17 -36838407.06 0.3768 0.1199

Mercury -105566-06-25 04:33 J -36836383.43 -36836383.31 -36836383.19 0.3764 0.0347

Mercury -105562-06-25 01:40 J -36834922.51 -36834922.43 -36834922.35 0.3606 0.2843
 Mercury -105560-01-08 01:26 J -36834359.54 -36834359.44 -36834359.34 0.3760 0.1927
 Mercury -105556-01-07 23:02 J -36832898.65 -36832898.54 -36832898.42 0.3610 0.1314
 Mercury -105555-07-24 22:33 J -36832335.59 -36832335.56 -36832335.52 0.3755 0.3566
 Mercury -105551-07-24 20:23 J -36830874.78 -36830874.65 -36830874.53 0.3614 0.0189
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 Mercury -105540-08-23 13:40 J -36826826.99 -36826826.93 -36826826.86 0.3622 0.2996
 Mercury -105526-06-16 14:09 J -36821781.94 -36821781.91 -36821781.88 0.3775 0.3614
 Mercury -105521-12-30 10:19 J -36819758.17 -36819758.07 -36819757.98 0.3771 0.2178
 Mercury -105515-07-16 06:28 J -36817734.34 -36817734.23 -36817734.11 0.3767 0.0699
 Mercury -105509-01-30 03:21 J -36815710.48 -36815710.36 -36815710.25 0.3763 0.0868
 Mercury -105505-01-30 00:43 J -36814249.57 -36814249.47 -36814249.38 0.3607 0.2315
 Mercury -105504-08-15 00:14 J -36813686.58 -36813686.49 -36813686.40 0.3758 0.2465
 Mercury -105500-08-14 22:04 J -36812225.70 -36812225.58 -36812225.45 0.3611 0.0789
 Mercury -105494-02-28 19:11 J -36810201.82 -36810201.70 -36810201.58 0.3615 0.0677
 Mercury -105489-09-13 16:04 J -36808177.93 -36808177.83 -36808177.73 0.3619 0.2093
 Mercury -105483-03-30 12:28 J -36806154.01 -36806153.98 -36806153.94 0.3623 0.3459
 Mercury -105469-01-21 12:43 J -36801109.03 -36801108.97 -36801108.91 0.3774 0.3116
 Mercury -105464-08-06 08:52 J -36799085.24 -36799085.13 -36799085.03 0.3770 0.1672
 Mercury -105458-02-20 05:16 J -36797061.39 -36797061.28 -36797061.16 0.3766 0.0207
 Mercury -105454-02-20 02:09 J -36795600.46 -36795600.41 -36795600.37 0.3604 0.3333
 Mercury -105453-09-05 02:09 J -36795037.52 -36795037.41 -36795037.30 0.3762 0.1395
 Mercury -105449-09-04 23:45 J -36793576.62 -36793576.51 -36793576.40 0.3608 0.1779
 Mercury -105447-03-21 23:16 J -36793013.60 -36793013.53 -36793013.46 0.3757 0.3012
 Mercury -105443-03-21 21:07 J -36791552.74 -36791552.62 -36791552.49 0.3612 0.0271
 Mercury -105438-10-05 18:14 J -36789528.86 -36789528.74 -36789528.63 0.3616 0.1181
 Mercury -105432-04-20 14:52 J -36787504.97 -36787504.88 -36787504.79 0.3620 0.2572
 Mercury -105413-08-27 11:16 J -36780436.11 -36780436.03 -36780435.95 0.3773 0.2624
 Mercury -105407-03-13 07:40 J -36778412.29 -36778412.18 -36778412.07 0.3769 0.1157
 Mercury -105402-09-27 04:19 J -36776388.44 -36776388.32 -36776388.21 0.3765 0.0387

Mercury -105398-09-27 01:11 J -36774927.53 -36774927.45 -36774927.37 0.3605 0.2786
 Mercury -105396-04-12 00:57 J -36774364.56 -36774364.46 -36774364.35 0.3760 0.1941
 Mercury -105392-04-11 22:47 J -36772903.67 -36772903.55 -36772903.43 0.3609 0.1248
 Mercury -105391-10-26 22:19 J -36772340.61 -36772340.57 -36772340.54 0.3756 0.3565
 Mercury -105387-10-26 20:09 J -36770879.79 -36770879.66 -36770879.54 0.3613 0.0244
 Mercury -105381-05-11 17:02 J -36768855.90 -36768855.79 -36768855.68 0.3617 0.1664
 Mercury -105376-11-25 13:40 J -36766831.99 -36766831.93 -36766831.86 0.3621 0.3045
 Mercury -105362-09-18 13:55 J -36761786.95 -36761786.92 -36761786.88 0.3775 0.3544
 Mercury -105356-04-03 10:04 J -36759763.18 -36759763.08 -36759762.99 0.3772 0.2126
 Mercury -105351-10-18 06:28 J -36757739.35 -36757739.23 -36757739.12 0.3768 0.0651
 Mercury -105345-05-03 03:07 J -36755715.49 -36755715.37 -36755715.26 0.3763 0.0899
 Mercury -105341-05-03 00:14 J -36754254.58 -36754254.49 -36754254.39 0.3607 0.2252
 Mercury -105340-11-16 23:59 J -36753691.59 -36753691.50 -36753691.41 0.3759 0.2475
 Mercury -105336-11-16 21:50 J -36752230.71 -36752230.59 -36752230.46 0.3610 0.0727
 Mercury -105330-06-02 18:57 J -36750206.83 -36750206.71 -36750206.58 0.3614 0.0741
 Mercury -105325-12-16 15:50 J -36748182.94 -36748182.84 -36748182.74 0.3619 0.2146
 Mercury -105319-07-02 12:28 J -36746159.01 -36746158.98 -36746158.95 0.3623 0.3506
 Mercury -105305-04-24 12:28 J -36741114.04 -36741113.98 -36741113.91 0.3774 0.3058
 Mercury -105300-11-08 08:38 J -36739090.24 -36739090.14 -36739090.03 0.3770 0.1622
 Mercury -105294-05-25 05:02 J -36737066.40 -36737066.29 -36737066.17 0.3766 0.0190
 Mercury -105290-05-25 01:40 J -36735605.48 -36735605.43 -36735605.38 0.3604 0.3266
 Mercury -105289-12-08 01:55 J -36735042.53 -36735042.42 -36735042.31 0.3762 0.1418
 Mercury -105285-12-07 23:31 J -36733581.63 -36733581.52 -36733581.41 0.3608 0.1717
 Mercury -105283-06-23 22:47 J -36733018.62 -36733018.55 -36733018.48 0.3758 0.3015
 Mercury -105279-06-23 20:52 J -36731557.76 -36731557.63 -36731557.50 0.3612 0.0213
 Mercury -105273-01-07 17:59 J -36729533.87 -36729533.75 -36729533.64 0.3616 0.1230
 Mercury -105268-07-23 14:38 J -36727509.97 -36727509.89 -36727509.80 0.3620 0.2620
 Mercury -105249-11-29 11:16 J -36720441.12 -36720441.03 -36720440.95 0.3773 0.2565
 Mercury -105243-06-15 07:26 J -36718417.30 -36718417.19 -36718417.08 0.3769 0.1111
 Mercury -105238-12-30 03:50 J -36716393.45 -36716393.34 -36716393.22 0.3765 0.0409

Mercury -105234-12-30 00:43 J -36714932.55 -36714932.47 -36714932.38 0.3605 0.2727

Mercury -105232-07-15 00:43 J -36714369.57 -36714369.47 -36714369.37 0.3761 0.1944

Mercury -105228-07-14 22:33 J -36712908.68 -36712908.56 -36712908.44 0.3609 0.1189

Mercury -105226-01-28 21:50 J -36712345.63 -36712345.59 -36712345.55 0.3756 0.3554

Mercury -105222-01-28 19:40 J -36710884.80 -36710884.68 -36710884.55 0.3613 0.0301

Mercury -105217-08-13 16:47 J -36708860.91 -36708860.80 -36708860.69 0.3617 0.1713

Mercury -105211-02-27 13:26 J -36706837.00 -36706836.94 -36706836.88 0.3621 0.3081

Mercury -105198-12-21 13:55 J -36701791.96 -36701791.92 -36701791.88 0.3776 0.3476

Mercury -105192-07-06 09:50 J -36699768.19 -36699768.09 -36699767.99 0.3772 0.2070

Mercury -105186-01-20 06:14 J -36697744.36 -36697744.24 -36697744.13 0.3768 0.0612

Mercury -105181-08-05 02:38 J -36695720.50 -36695720.39 -36695720.27 0.3764 0.0909

Mercury -105177-08-04 23:59 J -36694259.60 -36694259.50 -36694259.40 0.3606 0.2183

Mercury -105175-02-18 23:31 J -36693696.60 -36693696.52 -36693696.43 0.3760 0.2483

Mercury -105171-02-18 21:35 J -36692235.73 -36692235.60 -36692235.48 0.3610 0.0682

Mercury -105166-09-04 18:43 J -36690211.84 -36690211.72 -36690211.60 0.3614 0.0784

Mercury -105160-03-20 15:35 J -36688187.94 -36688187.85 -36688187.75 0.3618 0.2193

Mercury -105155-10-04 12:14 J -36686164.01 -36686163.99 -36686163.97 0.3622 0.3540

Mercury -105141-07-27 12:28 J -36681119.05 -36681118.98 -36681118.91 0.3775 0.2999

Mercury -105135-02-10 08:38 J -36679095.25 -36679095.14 -36679095.04 0.3771 0.1575

Mercury -105130-08-27 04:47 J -36677071.42 -36677071.30 -36677071.18 0.3767 0.0118

Mercury -105126-08-27 01:11 J -36675610.50 -36675610.45 -36675610.39 0.3604 0.3210

Mercury -105124-03-12 01:26 J -36675047.55 -36675047.44 -36675047.33 0.3763 0.1433

Mercury -105120-03-11 23:02 J -36673586.65 -36673586.54 -36673586.43 0.3607 0.1658

Mercury -105119-09-25 22:33 J -36673023.63 -36673023.56 -36673023.49 0.3758 0.3007

Mercury -105115-09-25 20:23 J -36671562.77 -36671562.65 -36671562.52 0.3611 0.0207

Mercury -105109-04-10 17:45 J -36669538.88 -36669538.76 -36669538.65 0.3615 0.1276

Mercury -105104-10-25 14:23 J -36667514.98 -36667514.90 -36667514.81 0.3619 0.2664

Mercury -105084-03-03 11:02 J -36660446.13 -36660446.04 -36660445.96 0.3774 0.2514

Mercury -105079-09-17 07:11 J -36658422.31 -36658422.20 -36658422.09 0.3770 0.1078

Mercury -105073-04-02 03:35 J -36656398.47 -36656398.35 -36656398.23 0.3766 0.0406

Mercury -105069-04-02 00:28 J -36654937.57 -36654937.48 -36654937.40 0.3605 0.2669

Mercury -105068-10-17 00:28 J -36654374.59 -36654374.48 -36654374.38 0.3761 0.1952

Mercury -105064-10-16 22:04 J -36652913.70 -36652913.58 -36652913.46 0.3608 0.1141

Mercury -105062-05-02 21:21 J -36652350.64 -36652350.61 -36652350.57 0.3757 0.3540

Mercury -105058-05-02 19:26 J -36650889.81 -36650889.69 -36650889.56 0.3612 0.0337

Mercury -105053-11-15 16:33 J -36648865.92 -36648865.81 -36648865.70 0.3616 0.1758

Mercury -105047-06-01 13:26 J -36646842.00 -36646841.94 -36646841.88 0.3620 0.3125

Mercury -105033-03-24 13:40 J -36641796.98 -36641796.93 -36641796.88 0.3776 0.3422

Mercury -105028-10-08 09:35 J -36639773.19 -36639773.10 -36639773.00 0.3772 0.2026

Mercury -105022-04-24 05:59 J -36637749.37 -36637749.25 -36637749.14 0.3768 0.0596

Mercury -105017-11-07 02:23 J -36635725.51 -36635725.40 -36635725.28 0.3764 0.0927

Mercury -105013-11-06 23:31 J -36634264.62 -36634264.52 -36634264.41 0.3606 0.2131

Mercury -105011-05-23 23:16 J -36633701.62 -36633701.53 -36633701.44 0.3760 0.2477

Mercury -105007-05-23 21:07 J -36632240.74 -36632240.62 -36632240.49 0.3610 0.0631

Mercury -105002-12-07 18:28 J -36630216.85 -36630216.73 -36630216.61 0.3614 0.0834

105TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 105th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
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Mercury -104996-06-22 15:35 J -36628192.95 -36628192.85 -36628192.76 0.3618 0.2237

Mercury -104990-01-06 12:14 J -36626169.01 -36626168.99 -36626168.98 0.3622 0.3581

Mercury -104977-10-29 12:14 J -36621124.06 -36621123.99 -36621123.92 0.3775 0.2940

Mercury -104971-05-15 08:23 J -36619100.26 -36619100.15 -36619100.04 0.3771 0.1527

Mercury -104966-11-29 04:33 J -36617076.42 -36617076.31 -36617076.19 0.3767 0.0129

Mercury -104962-11-29 00:57 J -36615615.52 -36615615.46 -36615615.40 0.3603 0.3149

Mercury -104960-06-14 01:11 J -36615052.56 -36615052.45 -36615052.34 0.3763 0.1447

Mercury -104956-06-13 22:47 J -36613591.66 -36613591.55 -36613591.44 0.3607 0.1599

Mercury -104955-12-28 22:04 J -36613028.65 -36613028.58 -36613028.50 0.3759 0.3009

Mercury -104951-12-28 20:09 J -36611567.78 -36611567.66 -36611567.53 0.3611 0.0152

Mercury -104945-07-13 17:31 J -36609543.89 -36609543.77 -36609543.65 0.3615 0.1323

Mercury -104939-01-27 14:23 J -36607519.98 -36607519.90 -36607519.82 0.3619 0.2699

Mercury -104920-06-05 11:02 J -36600451.13 -36600451.04 -36600450.96 0.3774 0.2456

Mercury -104915-12-20 06:57 J -36598427.32 -36598427.21 -36598427.09 0.3770 0.1042

Mercury -104909-07-05 03:21 J -36596403.47 -36596403.36 -36596403.24 0.3766 0.0445

Mercury -104905-07-04 23:59 J -36594942.58 -36594942.50 -36594942.41 0.3605 0.2607

Mercury -104903-01-19 00:14 J -36594379.60 -36594379.49 -36594379.39 0.3762 0.1963

Mercury -104899-01-18 21:50 J -36592918.71 -36592918.59 -36592918.47 0.3608 0.1091

Mercury -104898-08-04 21:07 J -36592355.66 -36592355.62 -36592355.58 0.3757 0.3528

Mercury -104894-08-04 19:11 J -36590894.82 -36590894.70 -36590894.57 0.3612 0.0395

Mercury -104888-02-17 16:19 J -36588870.93 -36588870.82 -36588870.71 0.3616 0.1793

Mercury -104883-09-03 13:11 J -36586847.01 -36586846.95 -36586846.89 0.3620 0.3159

Mercury -104869-06-26 13:40 J -36581801.98 -36581801.93 -36581801.88 0.3777 0.3357

Mercury -104863-01-10 09:35 J -36579778.20 -36579778.10 -36579778.00 0.3773 0.1973

Mercury -104858-07-27 05:45 J -36577754.38 -36577754.26 -36577754.15 0.3769 0.0561

Mercury -104852-02-09 02:09 J -36575730.52 -36575730.41 -36575730.29 0.3765 0.0941

Mercury -104848-02-08 23:02 J -36574269.64 -36574269.54 -36574269.43 0.3606 0.2089

Mercury -104847-08-25 22:47 J -36573706.64 -36573706.55 -36573706.46 0.3760 0.2469

Mercury -104843-08-25 20:52 J -36572245.76 -36572245.63 -36572245.51 0.3609 0.0583

Mercury -104837-03-10 18:14 J -36570221.86 -36570221.74 -36570221.62 0.3613 0.0873

Mercury -104832-09-24 15:06 J -36568197.96 -36568197.87 -36568197.77 0.3617 0.2263

Mercury -104826-04-10 11:59 J -36566174.01 -36566174.00 -36566174.00 0.3621 0.3610

Mercury -104812-01-31 12:14 J -36561129.07 -36561128.99 -36561128.92 0.3776 0.2887

Mercury -104807-08-17 08:09 J -36559105.27 -36559105.16 -36559105.06 0.3772 0.1499

Mercury -104801-03-02 04:18 J -36557081.43 -36557081.32 -36557081.20 0.3768 0.0100

Mercury -104797-03-02 00:14 J -36555620.55 -36555620.49 -36555620.42 0.3603 0.3103

Mercury -104796-09-16 00:57 J -36555057.57 -36555057.46 -36555057.35 0.3763 0.1442

Mercury -104792-09-15 22:18 J -36553596.69 -36553596.57 -36553596.46 0.3607 0.1567

Mercury -104790-04-01 21:50 J -36553033.66 -36553033.59 -36553033.52 0.3759 0.2988

Mercury -104786-04-01 19:54 J -36551572.80 -36551572.67 -36551572.54 0.3610 0.0075

Mercury -104781-10-15 17:02 J -36549548.90 -36549548.79 -36549548.67 0.3614 0.1360

Mercury -104775-05-01 14:09 J -36547524.99 -36547524.91 -36547524.83 0.3618 0.2731

Mercury -104761-02-22 14:52 J -36542479.88 -36542479.88 -36542479.87 0.3778 0.3769

Mercury -104756-09-07 10:47 J -36540456.14 -36540456.05 -36540455.96 0.3774 0.2412

Mercury -104750-03-24 06:42 J -36538432.33 -36538432.22 -36538432.10 0.3770 0.1014

Mercury -104745-10-07 03:06 J -36536408.48 -36536408.37 -36536408.25 0.3766 0.0459

Mercury -104741-10-06 23:30 J -36534947.61 -36534947.52 -36534947.43 0.3604 0.2563

Mercury -104739-04-22 23:45 J -36534384.61 -36534384.51 -36534384.41 0.3762 0.1955

Mercury -104735-04-22 21:21 J -36532923.73 -36532923.61 -36532923.49 0.3608 0.1046

Mercury -104734-11-06 20:38 J -36532360.67 -36532360.64 -36532360.60 0.3758 0.3517

Mercury -104730-11-06 18:57 J -36530899.83 -36530899.71 -36530899.58 0.3612 0.0428

Mercury -104724-05-22 16:04 J -36528875.94 -36528875.83 -36528875.72 0.3616 0.1833

Mercury -104719-12-06 12:57 J -36526852.01 -36526851.96 -36526851.90 0.3620 0.3196

Mercury -104705-09-28 13:26 J -36521806.99 -36521806.94 -36521806.88 0.3777 0.3301

Mercury -104699-04-14 09:21 J -36519783.21 -36519783.11 -36519783.01 0.3773 0.1932

Mercury -104694-10-29 05:30 J -36517759.39 -36517759.27 -36517759.15 0.3769 0.0515

Mercury -104690-10-29 00:42 J -36516298.48 -36516298.47 -36516298.46 0.3602 0.3582

Mercury -104688-05-14 01:54 J -36515735.53 -36515735.42 -36515735.30 0.3765 0.0957

Mercury -104684-05-13 22:47 J -36514274.66 -36514274.55 -36514274.45 0.3605 0.2032

Mercury -104683-11-27 22:33 J -36513711.64 -36513711.56 -36513711.47 0.3761 0.2476

Mercury -104679-11-27 20:38 J -36512250.77 -36512250.64 -36512250.52 0.3609 0.0532

Mercury -104673-06-12 17:59 J -36510226.87 -36510226.75 -36510226.63 0.3613 0.0919

Mercury -104668-12-27 15:06 J -36508202.97 -36508202.87 -36508202.78 0.3617 0.2308

Mercury -104648-05-05 11:59 J -36501134.07 -36501134.00 -36501133.92 0.3776 0.2833

Mercury -104643-11-19 07:54 J -36499110.27 -36499110.17 -36499110.06 0.3772 0.1459

Mercury -104637-06-04 04:18 J -36497086.44 -36497086.32 -36497086.21 0.3768 0.0080

Mercury -104633-06-03 23:59 J -36495625.57 -36495625.50 -36495625.43 0.3603 0.3042

Mercury -104632-12-19 00:42 J -36495062.58 -36495062.47 -36495062.36 0.3764 0.1455

Mercury -104628-12-18 21:50 J -36493601.70 -36493601.59 -36493601.47 0.3606 0.1514

Mercury -104626-07-04 21:35 J -36493038.67 -36493038.60 -36493038.53 0.3760 0.2987

Mercury -104622-07-04 19:40 J -36491577.81 -36491577.68 -36491577.55 0.3610 0.0050

Mercury -104616-01-17 16:47 J -36489553.91 -36489553.80 -36489553.68 0.3614 0.1396

Mercury -104611-08-03 13:54 J -36487530.00 -36487529.92 -36487529.84 0.3618 0.2768

Mercury -104597-05-26 14:52 J -36482484.90 -36482484.88 -36482484.86 0.3778 0.3704

Mercury -104592-12-10 10:33 J -36480461.14 -36480461.06 -36480460.97 0.3775 0.2365

Mercury -104586-06-26 06:42 J -36478437.34 -36478437.22 -36478437.11 0.3771 0.0977

Mercury -104580-01-09 02:52 J -36476413.49 -36476413.38 -36476413.26 0.3767 0.0477

Mercury -104576-01-08 23:02 J -36474952.63 -36474952.54 -36474952.45 0.3604 0.2518

Mercury -104575-07-25 23:30 J -36474389.62 -36474389.52 -36474389.42 0.3763 0.1953

Mercury -104571-07-25 21:06 J -36472928.75 -36472928.62 -36472928.50 0.3608 0.1003

Mercury -104569-02-08 20:23 J -36472365.69 -36472365.65 -36472365.61 0.3758 0.3496

Mercury -104565-02-08 18:28 J -36470904.85 -36470904.73 -36470904.60 0.3611 0.0464

Mercury -104560-08-24 15:50 J -36468880.95 -36468880.84 -36468880.73 0.3615 0.1866

Mercury -104554-03-10 12:42 J -36466857.02 -36466856.97 -36466856.91 0.3619 0.3217

Mercury -104541-12-31 13:26 J -36461812.00 -36461811.94 -36461811.88 0.3777 0.3244

Mercury -104535-07-17 09:06 J -36459788.22 -36459788.12 -36459788.02 0.3774 0.1900

Mercury -104529-01-31 05:16 J -36457764.39 -36457764.28 -36457764.16 0.3770 0.0494

Mercury -104525-01-30 23:59 J -36456303.51 -36456303.50 -36456303.48 0.3601 0.3547

Mercury -104524-08-16 01:40 J -36455740.55 -36455740.43 -36455740.32 0.3766 0.0957

Mercury -104520-08-15 22:18 J -36454279.68 -36454279.57 -36454279.46 0.3605 0.1989

Mercury -104518-03-01 22:18 J -36453716.66 -36453716.57 -36453716.48 0.3762 0.2463

Mercury -104514-03-01 20:09 J -36452255.79 -36452255.66 -36452255.54 0.3608 0.0496

Mercury -104509-09-14 17:30 J -36450231.89 -36450231.77 -36450231.65 0.3612 0.0946

Mercury -104503-03-31 14:52 J -36448207.98 -36448207.88 -36448207.79 0.3616 0.2338

Mercury -104484-08-07 11:59 J -36441139.08 -36441139.00 -36441138.92 0.3776 0.2784

Mercury -104478-02-21 07:54 J -36439115.28 -36439115.17 -36439115.07 0.3772 0.1420

Mercury -104473-09-06 04:04 J -36437091.45 -36437091.33 -36437091.22 0.3768 0.0136

Mercury -104469-09-05 23:16 J -36435630.59 -36435630.53 -36435630.46 0.3602 0.3007

Mercury -104467-03-23 00:28 J -36435067.59 -36435067.48 -36435067.37 0.3764 0.1456

Mercury -104463-03-22 21:35 J -36433606.72 -36433606.60 -36433606.49 0.3606 0.1472

Mercury -104462-10-06 21:06 J -36433043.69 -36433043.62 -36433043.55 0.3760 0.2971

Mercury -104458-10-06 19:11 J -36431582.83 -36431582.70 -36431582.57 0.3610 0.0015

Mercury -104452-04-21 16:33 J -36429558.92 -36429558.81 -36429558.69 0.3614 0.1430

Mercury -104447-11-05 13:40 J -36427535.00 -36427534.93 -36427534.85 0.3617 0.2800

Mercury -104433-08-28 14:52 J -36422489.91 -36422489.88 -36422489.86 0.3779 0.3649

Mercury -104427-03-14 10:33 J -36420466.15 -36420466.06 -36420465.97 0.3775 0.2320

Mercury -104422-09-28 06:28 J -36418442.34 -36418442.23 -36418442.12 0.3771 0.0944

Mercury -104416-04-13 02:38 J -36416418.50 -36416418.39 -36416418.27 0.3767 0.0489

Mercury -104412-04-12 22:47 J -36414957.65 -36414957.55 -36414957.46 0.3603 0.2473

Mercury -104411-10-27 23:16 J -36414394.63 -36414394.53 -36414394.43 0.3763 0.1956

Mercury -104407-10-27 20:38 J -36412933.76 -36412933.64 -36412933.52 0.3607 0.0956

Mercury -104405-05-12 20:09 J -36412370.71 -36412370.66 -36412370.62 0.3759 0.3479

Mercury -104401-05-12 18:14 J -36410909.86 -36410909.74 -36410909.61 0.3611 0.0496

Mercury -104396-11-26 15:35 J -36408885.95 -36408885.85 -36408885.74 0.3615 0.1904

Mercury -104390-06-12 12:42 J -36406862.03 -36406861.97 -36406861.92 0.3619 0.3253

Mercury -104376-04-04 13:26 J -36401817.00 -36401816.94 -36401816.88 0.3778 0.3195

Mercury -104371-10-19 09:06 J -36399793.22 -36399793.12 -36399793.02 0.3774 0.1855

Mercury -104365-05-04 05:02 J -36397769.40 -36397769.29 -36397769.17 0.3770 0.0487

Mercury -104361-05-03 23:30 J -36396308.54 -36396308.52 -36396308.49 0.3601 0.3499

Mercury -104360-11-18 01:26 J -36395745.55 -36395745.44 -36395745.33 0.3766 0.0969

Mercury -104356-11-17 21:50 J -36394284.69 -36394284.59 -36394284.48 0.3604 0.1947

Mercury -104354-06-03 22:04 J -36393721.67 -36393721.58 -36393721.49 0.3762 0.2457

Mercury -104350-06-03 19:40 J -36392260.80 -36392260.68 -36392260.55 0.3608 0.0469

Mercury -104345-12-17 17:16 J -36390236.90 -36390236.78 -36390236.66 0.3612 0.0981

Mercury -104339-07-03 14:38 J -36388212.99 -36388212.89 -36388212.80 0.3616 0.2368

Mercury -104320-11-09 11:59 J -36381144.08 -36381144.00 -36381143.93 0.3776 0.2738

Mercury -104314-05-26 07:40 J -36379120.29 -36379120.18 -36379120.07 0.3773 0.1388

Mercury -104309-12-09 03:50 J -36377096.46 -36377096.34 -36377096.22 0.3769 0.0034

Mercury -104305-12-08 23:02 J -36375635.62 -36375635.54 -36375635.47 0.3602 0.2961

Mercury -104303-06-25 00:14 J -36375072.60 -36375072.49 -36375072.38 0.3765 0.1459

Mercury -104299-06-24 21:06 J -36373611.74 -36373611.62 -36373611.50 0.3606 0.1427

Mercury -104297-01-08 20:52 J -36373048.70 -36373048.63 -36373048.56 0.3761 0.2954

Mercury -104293-01-08 18:57 J -36371587.84 -36371587.71 -36371587.59 0.3609 0.0124

Mercury -104288-07-24 16:18 J -36369563.93 -36369563.82 -36369563.70 0.3613 0.1461

Mercury -104282-02-07 13:26 J -36367540.02 -36367539.94 -36367539.86 0.3617 0.2816

Mercury -104269-11-30 14:52 J -36362494.91 -36362494.88 -36362494.85 0.3779 0.3589

Mercury -104263-06-16 10:33 J -36360471.15 -36360471.06 -36360470.97 0.3775 0.2277

Mercury -104258-12-31 06:28 J -36358447.35 -36358447.23 -36358447.12 0.3772 0.0917

Mercury -104252-07-16 02:23 J -36356423.51 -36356423.40 -36356423.28 0.3768 0.0515

Mercury -104248-07-15 22:18 J -36354962.67 -36354962.57 -36354962.48 0.3603 0.2428

Mercury -104246-01-29 23:02 J -36354399.64 -36354399.54 -36354399.44 0.3764 0.1954

Mercury -104242-01-29 20:09 J -36352938.78 -36352938.66 -36352938.53 0.3607 0.0928

Mercury -104241-08-14 19:40 J -36352375.72 -36352375.68 -36352375.63 0.3759 0.3451

Mercury -104237-08-14 17:59 J -36350914.88 -36350914.75 -36350914.63 0.3611 0.0533

Mercury -104231-02-28 15:21 J -36348890.97 -36348890.86 -36348890.76 0.3614 0.1926

Mercury -104226-09-14 12:14 J -36346867.04 -36346866.99 -36346866.94 0.3618 0.3269

Mercury -104212-07-07 13:26 J -36341822.01 -36341821.94 -36341821.88 0.3778 0.3144

Mercury -104206-01-21 09:06 J -36339798.22 -36339798.12 -36339798.02 0.3774 0.1818

Mercury -104201-08-06 05:02 J -36337774.41 -36337774.29 -36337774.18 0.3770 0.0455

Mercury -104197-08-05 23:02 J -36336313.57 -36336313.54 -36336313.50 0.3601 0.3451

Mercury -104195-02-20 01:11 J -36335750.56 -36335750.45 -36335750.33 0.3767 0.0978

Mercury -104191-02-19 21:21 J -36334289.72 -36334289.61 -36334289.50 0.3604 0.1913

Mercury -104190-09-05 21:50 J -36333726.68 -36333726.59 -36333726.50 0.3762 0.2443

Mercury -104186-09-05 19:26 J -36332265.82 -36332265.69 -36332265.57 0.3608 0.0430

Mercury -104180-03-21 17:02 J -36330241.91 -36330241.79 -36330241.67 0.3612 0.1012

Mercury -104175-10-05 14:09 J -36328218.00 -36328217.91 -36328217.81 0.3615 0.2386

Mercury -104155-02-11 11:45 J -36321149.09 -36321149.01 -36321148.93 0.3777 0.2693

Mercury -104150-08-28 07:40 J -36319125.29 -36319125.18 -36319125.08 0.3773 0.1365

Mercury -104144-03-13 03:35 J -36317101.47 -36317101.35 -36317101.23 0.3769 0.0048

Mercury -104140-03-12 22:18 J -36315640.64 -36315640.57 -36315640.49 0.3602 0.2922

Mercury -104139-09-26 23:59 J -36315077.61 -36315077.50 -36315077.39 0.3765 0.1457

Mercury -104135-09-26 20:38 J -36313616.76 -36313616.64 -36313616.52 0.3605 0.1402

Mercury -104133-04-11 20:38 J -36313053.72 -36313053.64 -36313053.57 0.3761 0.2934

Mercury -104129-04-11 18:28 J -36311592.86 -36311592.73 -36311592.60 0.3609 0.0073

Mercury -104124-10-26 16:04 J -36309568.95 -36309568.83 -36309568.72 0.3613 0.1486

Mercury -104118-05-12 13:11 J -36307545.03 -36307544.95 -36307544.87 0.3617 0.2838

Mercury -104104-03-04 14:52 J -36302499.92 -36302499.88 -36302499.85 0.3779 0.3544

Mercury -104099-09-18 10:18 J -36300476.16 -36300476.07 -36300475.98 0.3776 0.2242

Mercury -104093-04-03 06:14 J -36298452.35 -36298452.24 -36298452.13 0.3772 0.0897

Mercury -104088-10-18 02:23 J -36296428.52 -36296428.40 -36296428.29 0.3768 0.0511

Mercury -104084-10-17 21:35 J -36294967.69 -36294967.60 -36294967.50 0.3603 0.2398

Mercury -104082-05-03 22:47 J -36294404.65 -36294404.55 -36294404.45 0.3764 0.1945

Mercury -104078-05-03 19:40 J -36292943.80 -36292943.68 -36292943.55 0.3606 0.0903

Mercury -104077-11-16 19:26 J -36292380.74 -36292380.69 -36292380.65 0.3760 0.3429

Mercury -104073-11-16 17:30 J -36290919.89 -36290919.77 -36290919.64 0.3610 0.0568

Mercury -104067-06-02 15:06 J -36288895.98 -36288895.87 -36288895.77 0.3614 0.1953

Mercury -104062-12-17 12:14 J -36286872.04 -36286871.99 -36286871.94 0.3618 0.3291

Mercury -104048-10-09 13:11 J -36281827.01 -36281826.95 -36281826.88 0.3778 0.3098

Mercury -104042-04-25 08:52 J -36279803.23 -36279803.13 -36279803.03 0.3775 0.1786

Mercury -104037-11-08 04:47 J -36277779.41 -36277779.30 -36277779.18 0.3771 0.0433

Mercury -104033-11-07 22:33 J -36276318.60 -36276318.56 -36276318.52 0.3600 0.3411

Mercury -104031-05-25 00:57 J -36275755.57 -36275755.46 -36275755.34 0.3767 0.0991

Mercury -104027-05-24 20:52 J -36274294.74 -36274294.63 -36274294.52 0.3604 0.1877

Mercury -104026-12-08 21:35 J -36273731.69 -36273731.60 -36273731.51 0.3763 0.2433

Mercury -104022-12-08 18:57 J -36272270.83 -36272270.71 -36272270.58 0.3607 0.0396

Mercury -104016-06-23 16:47 J -36270246.92 -36270246.80 -36270246.68 0.3611 0.1046

Mercury -104010-01-07 13:54 J -36268223.01 -36268222.92 -36268222.82 0.3615 0.2412

104TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 104th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-103991-05-16 11:45 J	-36261154.09	-36261154.01	-36261153.93	0.3777	0.2648		
Mercury	-103986-11-30 07:26 J	-36259130.29	-36259130.19	-36259130.08	0.3773	0.1329		
Mercury	-103980-06-15 03:35 J	-36257106.47	-36257106.35	-36257106.24	0.3770	0.0110		
Mercury	-103976-06-14 21:50 J	-36255645.66	-36255645.59	-36255645.51	0.3601	0.2881		
Mercury	-103975-12-29 23:45 J	-36255082.62	-36255082.51	-36255082.40	0.3766	0.1461		
Mercury	-103971-12-29 20:09 J	-36253621.78	-36253621.66	-36253621.54	0.3605	0.1363		
Mercury	-103969-07-14 20:23 J	-36253058.73	-36253058.65	-36253058.58	0.3762	0.2921		
Mercury	-103965-07-14 18:14 J	-36251597.87	-36251597.74	-36251597.62	0.3609	0.0125		
Mercury	-103959-01-28 15:35 J	-36249573.96	-36249573.85	-36249573.73	0.3612	0.1511		
Mercury	-103954-08-14 12:57 J	-36247550.03	-36247549.96	-36247549.88	0.3616	0.2864		

Mercury -103940-06-06 14:52 J -36242504.92 -36242504.88 -36242504.84 0.3780 0.3486

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Mercury -103036-06-24 16:18 J -35912300.95 -35912300.82 -35912300.69 0.3605 0.0286

Mercury -103034-01-08 16:47 J -35911737.82 -35911737.80 -35911737.79 0.3761 0.3712

Mercury -103030-01-08 14:23 J -35910277.02 -35910276.90 -35910276.78 0.3609 0.1118

Mercury -103025-07-24 12:13 J -35908253.08 -35908252.99 -35908252.90 0.3613 0.2469

Mercury -103011-05-17 16:33 J -35903207.84 -35903207.81 -35903207.79 0.3782 0.3648

Mercury -103006-12-01 11:45 J -35901184.10 -35901184.01 -35901183.93 0.3779 0.2452

103RD MILLENNIUM BCE.

This is a list of transits visible from Venus in the 103rd millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-103000-06-16 07:11 J	-35899160.31	-35899160.20	-35899160.09	0.3776	0.1213		
Mercury	-102995-12-31 02:52 J	-35897136.50	-35897136.38	-35897136.27	0.3772	0.0132		
Mercury	-102991-12-30 18:28 J	-35895675.81	-35895675.73	-35895675.65	0.3599	0.2748		
Mercury	-102989-07-15 22:47 J	-35895112.66	-35895112.55	-35895112.45	0.3768	0.1398		
Mercury	-102985-07-15 17:16 J	-35893651.90	-35893651.78	-35893651.66	0.3603	0.1247		
Mercury	-102983-01-29 18:57 J	-35893088.79	-35893088.71	-35893088.63	0.3764	0.2761		
Mercury	-102979-01-29 15:35 J	-35891627.98	-35891627.85	-35891627.72	0.3606	0.0203		
Mercury	-102974-08-15 13:40 J	-35889604.05	-35889603.93	-35889603.82	0.3610	0.1581		
Mercury	-102968-02-28 11:01 J	-35887580.11	-35887580.04	-35887579.96	0.3614	0.2897		
Mercury	-102955-12-22 14:52 J	-35882534.94	-35882534.88	-35882534.82	0.3781	0.3242		
Mercury	-102949-07-07 10:04 J	-35880511.17	-35880511.08	-35880510.98	0.3778	0.2038		
Mercury	-102943-01-21 05:30 J	-35878487.38	-35878487.27	-35878487.15	0.3775	0.0799		
Mercury	-102938-08-07 01:11 J	-35876463.56	-35876463.45	-35876463.33	0.3771	0.0518		

Mercury -102934-08-06 17:59 J -35875002.86 -35875002.75 -35875002.65 0.3600 0.2243

Mercury -102932-02-19 21:21 J -35874439.71 -35874439.61 -35874439.51 0.3767 0.1834

Mercury -102928-02-19 16:33 J -35872978.94 -35872978.81 -35872978.69 0.3604 0.0779

Mercury -102927-09-05 17:30 J -35872415.83 -35872415.77 -35872415.71 0.3763 0.3205

Mercury -102923-09-05 14:37 J -35870955.01 -35870954.89 -35870954.76 0.3607 0.0661

Mercury -102917-03-21 12:42 J -35868931.08 -35868930.97 -35868930.87 0.3611 0.2020

Mercury -102912-10-05 10:04 J -35866907.12 -35866907.08 -35866907.03 0.3615 0.3325

Mercury -102898-07-29 13:11 J -35861862.02 -35861861.95 -35861861.88 0.3780 0.2843

Mercury -102892-02-11 08:37 J -35859838.25 -35859838.14 -35859838.04 0.3777 0.1625

Mercury -102887-08-28 04:04 J -35857814.44 -35857814.33 -35857814.22 0.3773 0.0369

Mercury -102883-08-27 18:13 J -35856353.79 -35856353.74 -35856353.68 0.3598 0.3259

Mercury -102881-03-12 23:59 J -35855790.61 -35855790.50 -35855790.39 0.3770 0.0938

Mercury -102877-03-12 17:16 J -35854329.89 -35854329.78 -35854329.67 0.3601 0.1742

Mercury -102876-09-26 19:54 J -35853766.76 -35853766.67 -35853766.57 0.3766 0.2277

Mercury -102872-09-26 15:49 J -35852305.97 -35852305.84 -35852305.71 0.3605 0.0310

Mercury -102870-04-12 16:18 J -35851742.84 -35851742.82 -35851742.79 0.3762 0.3661

Mercury -102866-04-12 13:54 J -35850282.04 -35850281.92 -35850281.80 0.3608 0.1117

Mercury -102861-10-26 11:45 J -35848258.10 -35848258.01 -35848257.92 0.3612 0.2457

Mercury -102847-08-19 16:33 J -35843212.84 -35843212.81 -35843212.78 0.3783 0.3618

Mercury -102841-03-04 11:45 J -35841189.10 -35841189.01 -35841188.93 0.3779 0.2435

Mercury -102836-09-18 06:57 J -35839165.32 -35839165.21 -35839165.10 0.3776 0.1208

Mercury -102830-04-04 02:37 J -35837141.51 -35837141.39 -35837141.27 0.3772 0.0060

Mercury -102826-04-03 17:45 J -35835680.84 -35835680.76 -35835680.67 0.3599 0.2742

Mercury -102825-10-17 22:33 J -35835117.67 -35835117.56 -35835117.45 0.3768 0.1372

Mercury -102821-10-17 16:33 J -35833656.93 -35833656.81 -35833656.69 0.3602 0.1251

Mercury -102819-05-03 18:42 J -35833093.80 -35833093.72 -35833093.64 0.3764 0.2722

Mercury -102815-05-03 15:06 J -35831633.00 -35831632.87 -35831632.74 0.3606 0.0198

Mercury -102810-11-17 13:11 J -35829609.07 -35829608.95 -35829608.84 0.3609 0.1574

Mercury -102804-06-02 10:47 J -35827585.12 -35827585.05 -35827584.97 0.3613 0.2894

Mercury -102790-03-26 14:52 J -35822539.94 -35822539.88 -35822539.82 0.3782 0.3216

Mercury -102785-10-09 10:04 J -35820516.17 -35820516.08 -35820515.98 0.3778 0.2021

Mercury -102779-04-25 05:30 J -35818492.38 -35818492.27 -35818492.16 0.3775 0.0785

Mercury -102774-11-09 01:11 J -35816468.56 -35816468.45 -35816468.33 0.3771 0.0507

Mercury -102770-11-08 17:16 J -35815007.88 -35815007.78 -35815007.68 0.3600 0.2230

Mercury -102768-05-24 21:21 J -35814444.72 -35814444.61 -35814444.51 0.3767 0.1817

Mercury -102764-05-24 16:04 J -35812983.96 -35812983.83 -35812983.71 0.3603 0.0770

Mercury -102763-12-08 17:30 J -35812420.83 -35812420.77 -35812420.71 0.3763 0.3173

Mercury -102759-12-08 14:23 J -35810960.03 -35810959.90 -35810959.77 0.3607 0.0660

Mercury -102753-06-23 12:13 J -35808936.09 -35808935.99 -35808935.88 0.3611 0.2022

Mercury -102747-01-07 09:49 J -35806912.13 -35806912.09 -35806912.04 0.3615 0.3325

Mercury -102734-10-31 13:11 J -35801867.02 -35801866.95 -35801866.87 0.3781 0.2816

Mercury -102728-05-16 08:37 J -35799843.25 -35799843.14 -35799843.04 0.3777 0.1608

Mercury -102723-11-30 04:04 J -35797819.44 -35797819.33 -35797819.22 0.3774 0.0362

Mercury -102719-11-29 17:45 J -35796358.81 -35796358.76 -35796358.71 0.3598 0.3243

Mercury -102717-06-14 23:59 J -35795795.62 -35795795.50 -35795795.39 0.3770 0.0938

Mercury -102713-06-14 16:47 J -35794334.92 -35794334.80 -35794334.69 0.3601 0.1732

Mercury -102712-12-29 19:54 J -35793771.76 -35793771.67 -35793771.58 0.3766 0.2250

Mercury -102708-12-29 15:21 J -35792310.99 -35792310.86 -35792310.73 0.3605 0.0289

Mercury -102706-07-15 16:18 J -35791747.85 -35791747.82 -35791747.80 0.3762 0.3621

Mercury -102702-07-15 13:40 J -35790287.06 -35790286.93 -35790286.81 0.3608 0.1124

Mercury -102696-01-28 11:16 J -35788263.12 -35788263.03 -35788262.93 0.3612 0.2452

Mercury -102683-11-21 16:33 J -35783217.84 -35783217.81 -35783217.77 0.3783 0.3581

Mercury -102677-06-06 11:45 J -35781194.10 -35781194.01 -35781193.93 0.3780 0.2409

Mercury -102672-12-21 06:57 J -35779170.32 -35779170.21 -35779170.10 0.3776 0.1199

Mercury -102666-07-07 02:37 J -35777146.51 -35777146.39 -35777146.28 0.3773 0.0071

Mercury -102662-07-06 17:16 J -35775685.87 -35775685.78 -35775685.70 0.3599 0.2732

Mercury -102660-01-19 22:33 J -35775122.67 -35775122.56 -35775122.46 0.3769 0.1358

Mercury -102656-01-19 16:04 J -35773661.95 -35773661.83 -35773661.71 0.3602 0.1248

Mercury -102655-08-05 18:28 J -35773098.81 -35773098.73 -35773098.65 0.3765 0.2686

Mercury -102651-08-05 14:37 J -35771638.02 -35771637.89 -35771637.76 0.3606 0.0192

Mercury -102645-02-19 12:42 J -35769614.09 -35769613.97 -35769613.86 0.3609 0.1560

Mercury -102640-09-04 10:33 J -35767590.14 -35767590.06 -35767589.99 0.3613 0.2886

Mercury -102626-06-28 14:52 J -35762544.93 -35762544.88 -35762544.82 0.3782 0.3188

Mercury -102620-01-11 10:04 J -35760521.17 -35760521.08 -35760520.98 0.3779 0.2004

Mercury -102615-07-28 05:30 J -35758497.38 -35758497.27 -35758497.16 0.3775 0.0784

Mercury -102609-02-11 01:11 J -35756473.57 -35756473.45 -35756473.34 0.3772 0.0483

Mercury -102605-02-10 16:33 J -35755012.91 -35755012.81 -35755012.70 0.3600 0.2238

Mercury -102604-08-26 21:06 J -35754449.73 -35754449.62 -35754449.52 0.3768 0.1781

Mercury -102600-08-26 15:21 J -35752988.98 -35752988.86 -35752988.73 0.3603 0.0766

Mercury -102598-03-12 17:16 J -35752425.84 -35752425.78 -35752425.72 0.3764 0.3128

Mercury -102594-03-12 13:54 J -35750965.05 -35750964.92 -35750964.80 0.3607 0.0661

Mercury -102589-09-25 11:45 J -35748941.11 -35748941.01 -35748940.90 0.3610 0.2003

Mercury -102583-04-11 09:35 J -35746917.15 -35746917.10 -35746917.05 0.3614 0.3310

Mercury -102569-02-02 13:25 J -35741872.02 -35741871.94 -35741871.87 0.3781 0.2790

Mercury -102564-08-18 08:37 J -35739848.25 -35739848.14 -35739848.04 0.3778 0.1606

Mercury -102558-03-04 04:04 J -35737824.45 -35737824.33 -35737824.22 0.3774 0.0375

Mercury -102554-03-03 17:01 J -35736363.85 -35736363.79 -35736363.74 0.3597 0.3245

Mercury -102553-09-16 23:45 J -35735800.62 -35735800.51 -35735800.40 0.3770 0.0904

Mercury -102549-09-16 16:04 J -35734339.94 -35734339.83 -35734339.72 0.3601 0.1738

Mercury -102547-04-02 19:40 J -35733776.77 -35733776.68 -35733776.58 0.3767 0.2215

Mercury -102543-04-02 14:52 J -35732316.01 -35732315.88 -35732315.75 0.3604 0.0301

Mercury -102542-10-17 16:04 J -35731752.87 -35731752.83 -35731752.80 0.3762 0.3568

Mercury -102538-10-17 12:57 J -35730292.08 -35730291.96 -35730291.83 0.3608 0.1108

Mercury -102532-05-02 11:01 J -35728268.13 -35728268.04 -35728267.95 0.3611 0.2442

Mercury -102518-02-23 16:47 J -35723222.84 -35723222.80 -35723222.77 0.3783 0.3552

Mercury -102513-09-08 11:45 J -35721199.10 -35721199.01 -35721198.93 0.3780 0.2392

Mercury -102507-03-25 06:57 J -35719175.32 -35719175.21 -35719175.10 0.3777 0.1195

Mercury -102502-10-09 02:37 J -35717151.51 -35717151.39 -35717151.28 0.3773 0.0122

Mercury -102498-10-08 16:33 J -35715690.90 -35715690.81 -35715690.73 0.3598 0.2737

Mercury -102496-04-23 22:18 J -35715127.68 -35715127.57 -35715127.46 0.3769 0.1328

Mercury -102492-04-23 15:35 J -35713666.98 -35713666.85 -35713666.73 0.3602 0.1251

Mercury -102491-11-07 18:28 J -35713103.81 -35713103.73 -35713103.65 0.3765 0.2652

Mercury -102487-11-07 14:09 J -35711643.04 -35711642.91 -35711642.78 0.3605 0.0193

Mercury -102481-05-23 12:13 J -35709619.10 -35709618.99 -35709618.87 0.3609 0.1552

Mercury -102476-12-07 10:04 J -35707595.15 -35707595.08 -35707595.00 0.3613 0.2876

Mercury -102462-09-30 15:06 J -35702549.93 -35702549.87 -35702549.82 0.3782 0.3165

Mercury -102456-04-15 10:04 J -35700526.17 -35700526.08 -35700525.98 0.3779 0.1992

Mercury -102451-10-30 05:30 J -35698502.38 -35698502.27 -35698502.16 0.3775 0.0783

Mercury -102445-05-15 01:11 J -35696478.57 -35696478.45 -35696478.34 0.3772 0.0488

Mercury -102441-05-14 16:04 J -35695017.94 -35695017.83 -35695017.73 0.3599 0.2238

Mercury -102440-11-28 20:52 J -35694454.73 -35694454.63 -35694454.52 0.3768 0.1756

Mercury -102436-11-28 14:52 J -35692994.01 -35692993.88 -35692993.75 0.3603 0.0766

Mercury -102434-06-14 17:01 J -35692430.85 -35692430.79 -35692430.72 0.3764 0.3086

Mercury -102430-06-14 13:25 J -35690970.07 -35690969.94 -35690969.82 0.3606 0.0650

Mercury -102425-12-28 11:30 J -35688946.13 -35688946.02 -35688945.92 0.3610 0.1997

Mercury -102419-07-14 09:21 J -35686922.16 -35686922.11 -35686922.07 0.3614 0.3299

Mercury -102405-05-06 13:25 J -35681877.02 -35681876.94 -35681876.87 0.3781 0.2770

Mercury -102400-11-20 08:37 J -35679853.25 -35679853.14 -35679853.04 0.3778 0.1593

Mercury -102394-06-06 04:04 J -35677829.45 -35677829.33 -35677829.22 0.3774 0.0379

Mercury -102390-06-05 16:18 J -35676368.87 -35676368.82 -35676368.76 0.3597 0.3242

Mercury -102389-12-19 23:45 J -35675805.63 -35675805.51 -35675805.40 0.3771 0.0893

Mercury -102385-12-19 15:35 J -35674344.97 -35674344.85 -35674344.74 0.3600 0.1740

Mercury -102383-07-05 19:40 J -35673781.78 -35673781.68 -35673781.59 0.3767 0.2186

Mercury -102379-07-05 14:23 J -35672321.03 -35672320.90 -35672320.77 0.3604 0.0305

Mercury -102377-01-19 15:49 J -35671757.88 -35671757.84 -35671757.80 0.3763 0.3519

Mercury -102373-01-19 12:28 J -35670297.10 -35670296.98 -35670296.85 0.3607 0.1102

Mercury -102368-08-04 10:33 J -35668273.15 -35668273.06 -35668272.96 0.3611 0.2434

Mercury -102354-05-28 16:47 J -35663227.84 -35663227.80 -35663227.76 0.3783 0.3520

Mercury -102349-12-11 11:45 J -35661204.10 -35661204.01 -35661203.92 0.3780 0.2371

Mercury -102343-06-27 06:57 J -35659180.31 -35659180.21 -35659180.10 0.3777 0.1190

Mercury -102337-01-11 02:37 J -35657156.51 -35657156.39 -35657156.28 0.3773 0.0146

Mercury -102333-01-10 15:49 J -35655695.92 -35655695.84 -35655695.75 0.3598 0.2735

Mercury -102332-07-26 22:18 J -35655132.68 -35655132.57 -35655132.47 0.3770 0.1309

Mercury -102328-07-26 14:52 J -35653672.00 -35653671.88 -35653671.75 0.3601 0.1253

Mercury -102326-02-09 18:13 J -35653108.82 -35653108.74 -35653108.66 0.3766 0.2614

Mercury -102322-02-09 13:25 J -35651648.07 -35651647.94 -35651647.81 0.3605 0.0206

Mercury -102317-08-25 11:45 J -35649624.12 -35649624.01 -35649623.89 0.3609 0.1547

Mercury -102311-03-11 09:35 J -35647600.17 -35647600.10 -35647600.02 0.3612 0.2855

Mercury -102297-01-02 15:06 J -35642554.93 -35642554.87 -35642554.81 0.3782 0.3134

Mercury -102292-07-18 10:04 J -35640531.17 -35640531.08 -35640530.98 0.3779 0.1984

Mercury -102286-02-01 05:30 J -35638507.38 -35638507.27 -35638507.16 0.3776 0.0781

Mercury -102281-08-17 00:57 J -35636483.57 -35636483.46 -35636483.34 0.3772 0.0455

Mercury -102277-08-16 15:21 J -35635022.96 -35635022.86 -35635022.75 0.3599 0.2235

Mercury -102275-03-02 20:52 J -35634459.73 -35634459.63 -35634459.53 0.3769 0.1726

Mercury -102271-03-02 14:23 J -35632999.03 -35632998.90 -35632998.78 0.3602 0.0787

Mercury -102270-09-16 16:47 J -35632435.86 -35632435.80 -35632435.73 0.3765 0.3037

Mercury -102266-09-16 12:57 J -35630975.09 -35630974.96 -35630974.84 0.3606 0.0642

Mercury -102260-04-01 11:01 J -35628951.15 -35628951.04 -35628950.93 0.3609 0.1981

Mercury -102255-10-16 08:52 J -35626927.18 -35626927.13 -35626927.08 0.3613 0.3270

Mercury -102241-08-08 13:25 J -35621882.02 -35621881.94 -35621881.86 0.3782 0.2752

Mercury -102235-02-22 08:37 J -35619858.24 -35619858.14 -35619858.04 0.3778 0.1585

Mercury -102230-09-08 03:49 J -35617834.45 -35617834.34 -35617834.22 0.3775 0.0405

Mercury -102226-09-07 15:35 J -35616373.90 -35616373.85 -35616373.79 0.3597 0.3248

Mercury -102224-03-23 23:30 J -35615810.63 -35615810.52 -35615810.41 0.3771 0.0863

Mercury -102220-03-23 14:52 J -35614350.00 -35614349.88 -35614349.77 0.3600 0.1748

Mercury -102219-10-07 19:25 J -35613786.78 -35613786.69 -35613786.59 0.3767 0.2144

Mercury -102215-10-07 13:40 J -35612326.06 -35612325.93 -35612325.80 0.3603 0.0312

Mercury -102213-04-22 15:35 J -35611762.89 -35611762.85 -35611762.81 0.3763 0.3463

Mercury -102209-04-22 11:59 J -35610302.12 -35610302.00 -35610301.87 0.3607 0.1087

Mercury -102204-11-06 10:04 J -35608278.17 -35608278.08 -35608277.98 0.3610 0.2413

Mercury -102190-08-30 16:47 J -35603232.84 -35603232.80 -35603232.76 0.3784 0.3500

Mercury -102184-03-15 11:45 J -35601209.09 -35601209.01 -35601208.92 0.3780 0.2364

Mercury -102179-09-29 06:57 J -35599185.32 -35599185.21 -35599185.10 0.3777 0.1192

Mercury -102173-04-14 02:23 J -35597161.51 -35597161.40 -35597161.28 0.3774 0.0048

Mercury -102169-04-13 15:06 J -35595700.95 -35595700.87 -35595700.78 0.3598 0.2745

Mercury -102168-10-28 22:04 J -35595137.69 -35595137.58 -35595137.47 0.3770 0.1278

Mercury -102164-10-28 14:23 J -35593677.03 -35593676.90 -35593676.78 0.3601 0.1271

Mercury -102162-05-14 17:59 J -35593113.83 -35593113.75 -35593113.66 0.3766 0.2569

Mercury -102158-05-14 12:57 J -35591653.09 -35591652.96 -35591652.83 0.3604 0.0167

Mercury -102153-11-27 11:30 J -35589629.14 -35589629.02 -35589628.91 0.3608 0.1533

Mercury -102147-06-13 09:21 J -35587605.19 -35587605.11 -35587605.03 0.3612 0.2834

Mercury -102133-04-05 15:06 J -35582559.93 -35582559.87 -35582559.81 0.3783 0.3119

Mercury -102128-10-20 10:18 J -35580536.17 -35580536.07 -35580535.98 0.3779 0.1976

Mercury -102122-05-06 05:30 J -35578512.38 -35578512.27 -35578512.16 0.3776 0.0790

Mercury -102117-11-19 00:57 J -35576488.57 -35576488.46 -35576488.34 0.3773 0.0435

Mercury -102113-11-18 14:52 J -35575027.99 -35575027.88 -35575027.78 0.3599 0.2245

Mercury -102111-06-04 20:52 J -35574464.74 -35574464.63 -35574464.53 0.3769 0.1699

Mercury -102107-06-04 13:40 J -35573004.06 -35573003.93 -35573003.80 0.3602 0.0789

Mercury -102106-12-19 16:47 J -35572440.87 -35572440.80 -35572440.73 0.3765 0.2991

Mercury -102102-12-19 12:28 J -35570980.11 -35570979.98 -35570979.86 0.3606 0.0626

Mercury -102096-07-04 10:33 J -35568956.16 -35568956.06 -35568955.95 0.3609 0.1970

Mercury -102090-01-18 08:23 J -35566932.20 -35566932.15 -35566932.09 0.3613 0.3253

Mercury -102077-11-10 13:25 J -35561887.01 -35561886.94 -35561886.86 0.3782 0.2737

Mercury -102071-05-27 08:37 J -35559863.24 -35559863.14 -35559863.04 0.3778 0.1579

Mercury -102066-12-11 04:04 J -35557839.45 -35557839.33 -35557839.22 0.3775 0.0409

Mercury -102062-12-10 14:52 J -35556378.93 -35556378.88 -35556378.82 0.3596 0.3252

Mercury -102060-06-25 23:30 J -35555815.63 -35555815.52 -35555815.41 0.3772 0.0844

Mercury -102056-06-25 14:23 J -35554355.02 -35554354.90 -35554354.79 0.3600 0.1755

Mercury -102054-01-09 19:25 J -35553791.79 -35553791.69 -35553791.60 0.3768 0.2111

Mercury -102050-01-09 13:11 J -35552331.08 -35552330.95 -35552330.82 0.3603 0.0320

Mercury -102049-07-25 15:21 J -35551767.90 -35551767.86 -35551767.81 0.3764 0.3417

Mercury -102045-07-25 11:45 J -35550307.14 -35550307.01 -35550306.89 0.3607 0.1070

Mercury -102039-02-08 09:49 J -35548283.19 -35548283.09 -35548283.00 0.3610 0.2389

Mercury -102026-12-02 17:01 J -35543237.83 -35543237.79 -35543237.75 0.3784 0.3470

Mercury -102020-06-17 11:59 J -35541214.09 -35541214.00 -35541213.92 0.3781 0.2348

Mercury -102014-01-01 07:11 J -35539190.31 -35539190.20 -35539190.10 0.3777 0.1196

Mercury -102009-07-17 02:23 J -35537166.51 -35537166.40 -35537166.28 0.3774 0.0067

Mercury -102005-07-16 14:37 J -35535705.98 -35535705.89 -35535705.81 0.3597 0.2749

Mercury -102003-01-30 22:04 J -35535142.69 -35535142.58 -35535142.47 0.3771 0.1252

102ND MILLENNIUM BCE

This is a list of transits visible from Venus in the 102nd millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-101999-01-30 13:40 J	-35533682.05	-35533681.93	-35533681.81	0.3601	0.1278		
Mercury	-101998-08-16 17:59 J	-35533118.84	-35533118.75	-35533118.67	0.3767	0.2520		
Mercury	-101994-08-16 12:28 J	-35531658.11	-35531657.98	-35531657.85	0.3604	0.0152		
Mercury	-101988-03-01 10:47 J	-35529634.16	-35529634.05	-35529633.93	0.3608	0.1503		
Mercury	-101983-09-15 08:52 J	-35527610.21	-35527610.13	-35527610.05	0.3611	0.2808		
Mercury	-101969-07-08 15:21 J	-35522564.92	-35522564.86	-35522564.80	0.3783	0.3096		
Mercury	-101963-01-22 10:18 J	-35520541.17	-35520541.07	-35520540.98	0.3780	0.1964		

Mercury -101958-08-08 05:30 J -35518517.38 -35518517.27 -35518517.16 0.3777 0.0800

Mercury -101952-02-21 00:57 J -35516493.58 -35516493.46 -35516493.35 0.3773 0.0412

Mercury -101948-02-20 13:54 J -35515033.02 -35515032.92 -35515032.82 0.3598 0.2267

Mercury -101947-09-06 20:37 J -35514469.74 -35514469.64 -35514469.54 0.3769 0.1652

Mercury -101943-09-06 13:11 J -35513009.08 -35513008.95 -35513008.83 0.3602 0.0811

Mercury -101941-03-22 16:33 J -35512445.88 -35512445.81 -35512445.74 0.3766 0.2936

Mercury -101937-03-22 11:45 J -35510985.14 -35510985.01 -35510984.88 0.3605 0.0593

Mercury -101932-10-06 10:04 J -35508961.19 -35508961.08 -35508960.97 0.3609 0.1932

Mercury -101926-04-22 08:09 J -35506937.22 -35506937.16 -35506937.11 0.3612 0.3224

Mercury -101912-02-12 13:40 J -35501892.01 -35501891.93 -35501891.86 0.3782 0.2721

Mercury -101907-08-29 08:37 J -35499868.24 -35499868.14 -35499868.04 0.3779 0.1585

Mercury -101901-03-14 03:49 J -35497844.45 -35497844.34 -35497844.22 0.3776 0.0424

Mercury -101897-03-13 14:09 J -35496383.96 -35496383.91 -35496383.86 0.3596 0.3269

Mercury -101896-09-27 23:30 J -35495820.64 -35495820.52 -35495820.41 0.3772 0.0816

Mercury -101892-09-27 13:25 J -35494360.05 -35494359.94 -35494359.82 0.3599 0.1781

Mercury -101890-04-13 19:11 J -35493796.79 -35493796.70 -35493796.60 0.3768 0.2063

Mercury -101886-04-13 12:28 J -35492336.11 -35492335.98 -35492335.85 0.3603 0.0347

Mercury -101885-10-27 15:21 J -35491772.91 -35491772.86 -35491772.81 0.3764 0.3357

Mercury -101881-10-27 11:01 J -35490312.16 -35490312.04 -35490311.91 0.3606 0.1043

Mercury -101875-05-13 09:21 J -35488288.21 -35488288.11 -35488288.02 0.3610 0.2361

Mercury -101861-03-05 17:01 J -35483242.83 -35483242.79 -35483242.74 0.3784 0.3453

Mercury -101856-09-19 11:59 J -35481219.09 -35481219.00 -35481218.91 0.3781 0.2344

Mercury -101850-04-05 06:57 J -35479195.31 -35479195.21 -35479195.10 0.3778 0.1204

Mercury -101845-10-19 02:23 J -35477171.51 -35477171.40 -35477171.28 0.3774 0.0030

Mercury -101841-10-18 13:40 J -35475711.01 -35475710.93 -35475710.84 0.3597 0.2771

Mercury -101839-05-04 22:04 J -35475147.69 -35475147.58 -35475147.47 0.3771 0.1220

Mercury -101835-05-04 12:57 J -35473687.08 -35473686.96 -35473686.83 0.3600 0.1301

Mercury -101834-11-18 17:59 J -35473123.84 -35473123.75 -35473123.67 0.3767 0.2482

Mercury -101830-11-18 11:59 J -35471663.13 -35471663.00 -35471662.87 0.3604 0.0130

Mercury -101824-06-03 10:18 J -35469639.18 -35469639.07 -35469638.95 0.3607 0.1484

Mercury -101819-12-18 08:37 J -35467615.22 -35467615.14 -35467615.06 0.3611 0.2786

Mercury -101805-10-10 15:21 J -35462569.92 -35462569.86 -35462569.80 0.3783 0.3082

Mercury -101799-04-26 10:18 J -35460546.17 -35460546.07 -35460545.97 0.3780 0.1962

Mercury -101794-11-10 05:30 J -35458522.38 -35458522.27 -35458522.16 0.3777 0.0805

Mercury -101788-05-26 00:57 J -35456498.58 -35456498.46 -35456498.35 0.3773 0.0390

Mercury -101784-05-25 13:25 J -35455038.05 -35455037.94 -35455037.84 0.3598 0.2279

Mercury -101783-12-09 20:37 J -35454474.75 -35454474.64 -35454474.54 0.3770 0.1622

Mercury -101779-12-09 12:28 J -35453014.10 -35453013.98 -35453013.85 0.3601 0.0827

Mercury -101777-06-24 16:33 J -35452450.88 -35452450.81 -35452450.74 0.3766 0.2891

Mercury -101773-06-24 11:16 J -35450990.16 -35450990.03 -35450989.90 0.3605 0.0580

Mercury -101767-01-08 09:35 J -35448966.20 -35448966.10 -35448965.99 0.3608 0.1916

Mercury -101762-07-25 07:40 J -35446942.23 -35446942.18 -35446942.12 0.3612 0.3200

Mercury -101748-05-17 13:40 J -35441897.00 -35441896.93 -35441896.85 0.3782 0.2710

Mercury -101743-12-01 08:37 J -35439873.24 -35439873.14 -35439873.03 0.3779 0.1586

Mercury -101737-06-16 04:04 J -35437849.45 -35437849.33 -35437849.22 0.3776 0.0432

Mercury -101733-06-15 13:25 J -35436388.99 -35436388.94 -35436388.89 0.3596 0.3279

Mercury -101732-12-30 23:30 J -35435825.63 -35435825.52 -35435825.41 0.3772 0.0792

Mercury -101728-12-30 12:57 J -35434365.08 -35434364.96 -35434364.85 0.3599 0.1789

Mercury -101726-07-16 19:11 J -35433801.80 -35433801.70 -35433801.60 0.3769 0.2025

Mercury -101722-07-16 11:59 J -35432341.13 -35432341.00 -35432340.87 0.3602 0.0356

Mercury -101720-01-29 15:06 J -35431777.92 -35431777.87 -35431777.81 0.3765 0.3303

Mercury -101716-01-29 10:33 J -35430317.18 -35430317.06 -35430316.93 0.3606 0.1015

Mercury -101711-08-15 08:52 J -35428293.23 -35428293.13 -35428293.03 0.3610 0.2336

Mercury -101705-02-29 06:42 J -35426269.23 -35426269.22 -35426269.21 0.3613 0.3593

Mercury -101697-06-07 17:16 J -35423247.83 -35423247.78 -35423247.74 0.3784 0.3432

Mercury -101692-12-22 11:59 J -35421224.08 -35421224.00 -35421223.91 0.3781 0.2336

Mercury -101686-07-08 07:11 J -35419200.31 -35419200.20 -35419200.10 0.3778 0.1203

Mercury -101680-01-21 02:23 J -35417176.51 -35417176.40 -35417176.28 0.3775 0.0045

Mercury -101676-01-20 12:57 J -35415716.04 -35415715.96 -35415715.87 0.3597 0.2789

Mercury -101675-08-06 21:49 J -35415152.70 -35415152.59 -35415152.48 0.3771 0.1186

Mercury -101671-08-06 12:28 J -35413692.10 -35413691.98 -35413691.86 0.3600 0.1313

Mercury -101669-02-20 17:45 J -35413128.85 -35413128.76 -35413128.67 0.3768 0.2430

Mercury -101665-02-20 11:16 J -35411668.16 -35411668.03 -35411667.90 0.3603 0.0099

Mercury -101664-09-05 13:54 J -35411104.94 -35411104.92 -35411104.91 0.3763 0.3710

Mercury -101660-09-05 09:49 J -35409644.20 -35409644.09 -35409643.97 0.3607 0.1455

Mercury -101654-03-22 08:09 J -35407620.25 -35407620.16 -35407620.08 0.3611 0.2750

Mercury -101640-01-12 15:35 J -35402574.92 -35402574.85 -35402574.79 0.3783 0.3068

Mercury -101635-07-29 10:18 J -35400551.16 -35400551.07 -35400550.97 0.3781 0.1966

Mercury -101629-02-12 05:30 J -35398527.38 -35398527.27 -35398527.16 0.3777 0.0818

Mercury -101624-08-28 00:57 J -35396503.58 -35396503.46 -35396503.35 0.3774 0.0372

Mercury -101620-08-27 12:42 J -35395043.07 -35395042.97 -35395042.87 0.3598 0.2294

Mercury -101618-03-13 20:23 J -35394479.75 -35394479.65 -35394479.54 0.3770 0.1585

Mercury -101614-03-13 11:45 J -35393019.13 -35393019.01 -35393018.88 0.3601 0.0858

Mercury -101613-09-26 16:18 J -35392455.89 -35392455.82 -35392455.74 0.3766 0.2832

Mercury -101609-09-26 10:47 J -35390995.18 -35390995.05 -35390994.92 0.3604 0.0551

Mercury -101603-04-12 09:06 J -35388971.23 -35388971.12 -35388971.01 0.3608 0.1884

Mercury -101598-10-27 07:11 J -35386947.26 -35386947.20 -35386947.14 0.3612 0.3159

Mercury -101589-02-03 19:11 J -35383925.71 -35383925.70 -35383925.70 0.3786 0.3779

Mercury -101584-08-19 13:54 J -35381902.00 -35381901.92 -35381901.85 0.3782 0.2708

Mercury -101578-03-05 08:52 J -35379878.24 -35379878.13 -35379878.03 0.3779 0.1589

Mercury -101573-09-18 03:49 J -35377854.45 -35377854.34 -35377854.22 0.3776 0.0456

Mercury -101569-09-17 12:42 J -35376394.02 -35376393.97 -35376393.92 0.3596 0.3307

Mercury -101567-04-03 23:16 J -35375830.64 -35375830.53 -35375830.41 0.3773 0.0769

Mercury -101563-04-03 12:13 J -35374370.10 -35374369.99 -35374369.88 0.3599 0.1812

Mercury -101562-10-18 18:57 J -35373806.80 -35373806.71 -35373806.61 0.3769 0.1982

Mercury -101558-10-18 11:16 J -35372346.16 -35372346.03 -35372345.90 0.3602 0.0391

Mercury -101556-05-03 15:06 J -35371782.93 -35371782.87 -35371782.82 0.3765 0.3242

Mercury -101552-05-03 10:04 J -35370322.20 -35370322.08 -35370321.95 0.3605 0.0986

Mercury -101547-11-17 08:23 J -35368298.25 -35368298.15 -35368298.05 0.3609 0.2305

Mercury -101541-06-02 06:28 J -35366274.25 -35366274.23 -35366274.21 0.3613 0.3561

Mercury -101533-09-09 17:16 J -35363252.82 -35363252.78 -35363252.73 0.3784 0.3422

Mercury -101527-03-26 12:13 J -35361229.08 -35361228.99 -35361228.91 0.3782 0.2338

Mercury -101522-10-10 07:11 J -35359205.31 -35359205.20 -35359205.09 0.3778 0.1213

Mercury -101516-04-25 02:23 J -35357181.51 -35357181.40 -35357181.29 0.3775 0.0054

Mercury -101512-04-24 12:13 J -35355721.07 -35355720.99 -35355720.90 0.3596 0.2811

Mercury -101511-11-08 21:49 J -35355157.70 -35355157.59 -35355157.48 0.3771 0.1151

Mercury -101507-11-08 11:45 J -35353697.13 -35353697.01 -35353696.89 0.3599 0.1339

Mercury -101505-05-24 17:45 J -35353133.85 -35353133.76 -35353133.67 0.3768 0.2380

Mercury -101501-05-24 10:47 J -35351673.18 -35351673.05 -35351672.92 0.3603 0.0074

Mercury -101500-12-08 13:40 J -35351109.95 -35351109.93 -35351109.90 0.3764 0.3648

Mercury -101496-12-08 09:21 J -35349649.22 -35349649.11 -35349648.99 0.3606 0.1427

Mercury -101490-06-24 07:40 J -35347625.26 -35347625.18 -35347625.10 0.3610 0.2718

Mercury -101476-04-16 15:35 J -35342579.91 -35342579.85 -35342579.79 0.3784 0.3060

Mercury -101471-10-31 10:33 J -35340556.16 -35340556.06 -35340555.97 0.3781 0.1964

Mercury -101465-05-16 05:30 J -35338532.38 -35338532.27 -35338532.16 0.3777 0.0835

Mercury -101460-11-30 00:57 J -35336508.58 -35336508.46 -35336508.35 0.3774 0.0345

Mercury -101456-11-29 11:59 J -35335048.10 -35335048.00 -35335047.90 0.3597 0.2317

Mercury -101454-06-15 20:23 J -35334484.75 -35334484.65 -35334484.54 0.3770 0.1541

Mercury -101450-06-15 11:16 J -35333024.16 -35333024.03 -35333023.90 0.3601 0.0876

Mercury -101449-12-29 16:18 J -35332460.90 -35332460.82 -35332460.74 0.3767 0.2780

Mercury -101445-12-29 10:04 J -35331000.20 -35331000.08 -35330999.95 0.3604 0.0530

Mercury -101439-07-15 08:37 J -35328976.25 -35328976.14 -35328976.03 0.3608 0.1854

Mercury -101433-01-29 06:42 J -35326952.28 -35326952.22 -35326952.15 0.3611 0.3126

Mercury -101425-05-07 19:11 J -35323930.71 -35323930.70 -35323930.69 0.3786 0.3763

Mercury -101420-11-21 13:54 J -35321907.00 -35321906.92 -35321906.84 0.3783 0.2696

Mercury -101414-06-07 08:52 J -35319883.23 -35319883.13 -35319883.03 0.3780 0.1591

Mercury -101409-12-21 04:04 J -35317859.45 -35317859.33 -35317859.22 0.3776 0.0460

Mercury -101405-12-20 11:59 J -35316399.05 -35316399.00 -35316398.95 0.3595 0.3324

Mercury -101403-07-06 23:30 J -35315835.64 -35315835.52 -35315835.41 0.3773 0.0737

Mercury -101399-07-06 11:30 J -35314375.13 -35314375.02 -35314374.90 0.3598 0.1837

Mercury -101397-01-20 18:57 J -35313811.80 -35313811.71 -35313811.61 0.3769 0.1938

Mercury -101393-01-20 10:47 J -35312351.18 -35312351.05 -35312350.92 0.3602 0.0421

Mercury -101392-08-05 14:52 J -35311787.94 -35311787.88 -35311787.82 0.3766 0.3178

Mercury -101388-08-05 09:35 J -35310327.23 -35310327.10 -35310326.97 0.3605 0.0956

Mercury -101382-02-19 07:54 J -35308303.27 -35308303.17 -35308303.07 0.3609 0.2262

Mercury -101377-09-04 05:59 J -35306279.27 -35306279.25 -35306279.22 0.3613 0.3524

Mercury -101369-12-12 17:30 J -35303257.82 -35303257.77 -35303257.72 0.3785 0.3404

Mercury -101363-06-28 12:13 J -35301234.07 -35301233.99 -35301233.90 0.3782 0.2329

Mercury -101357-01-12 07:11 J -35299210.30 -35299210.20 -35299210.09 0.3779 0.1222

Mercury -101352-07-28 02:23 J -35297186.51 -35297186.40 -35297186.28 0.3776 0.0096

Mercury -101348-07-27 11:30 J -35295726.10 -35295726.02 -35295725.93 0.3596 0.2831

Mercury -101346-02-10 21:49 J -35295162.70 -35295162.59 -35295162.48 0.3772 0.1114

Mercury -101342-02-10 11:01 J -35293702.16 -35293702.04 -35293701.92 0.3599 0.1374

Mercury -101341-08-26 17:30 J -35293138.86 -35293138.77 -35293138.68 0.3768 0.2326

Mercury -101337-08-26 10:18 J -35291678.21 -35291678.07 -35291677.94 0.3603 0.0129

Mercury -101335-03-12 13:25 J -35291114.97 -35291114.94 -35291114.90 0.3764 0.3585

Mercury -101331-03-12 08:52 J -35289654.25 -35289654.13 -35289654.01 0.3606 0.1382

Mercury -101326-09-26 07:11 J -35287630.29 -35287630.20 -35287630.12 0.3610 0.2675

Mercury -101312-07-19 15:49 J -35282584.91 -35282584.84 -35282584.78 0.3784 0.3051

Mercury -101306-02-02 10:33 J -35280561.15 -35280561.06 -35280560.96 0.3781 0.1965

Mercury -101301-08-18 05:30 J -35278537.38 -35278537.27 -35278537.16 0.3778 0.0859

Mercury -101295-03-04 00:57 J -35276513.58 -35276513.46 -35276513.35 0.3774 0.0317

Mercury -101291-03-03 11:01 J -35275053.13 -35275053.04 -35275052.94 0.3597 0.2357

Mercury -101290-09-17 20:23 J -35274489.76 -35274489.65 -35274489.55 0.3771 0.1491

Mercury -101286-09-17 10:33 J -35273029.19 -35273029.06 -35273028.93 0.3600 0.0910

Mercury -101284-04-02 16:04 J -35272465.91 -35272465.83 -35272465.75 0.3767 0.2720

Mercury -101280-04-02 09:35 J -35271005.23 -35271005.10 -35271004.97 0.3604 0.0480

Mercury -101275-10-17 08:09 J -35268981.27 -35268981.16 -35268981.05 0.3607 0.1804

Mercury -101269-05-02 06:28 J -35266957.30 -35266957.23 -35266957.17 0.3611 0.3081

Mercury -101261-08-09 19:25 J -35263935.70 -35263935.69 -35263935.68 0.3786 0.3752

Mercury -101255-02-23 14:09 J -35261911.99 -35261911.91 -35261911.84 0.3783 0.2695

Mercury -101250-09-09 08:52 J -35259888.23 -35259888.13 -35259888.03 0.3780 0.1605

Mercury -101244-03-25 04:04 J -35257864.44 -35257864.33 -35257864.22 0.3777 0.0481

Mercury -101240-03-24 11:01 J -35256404.08 -35256404.04 -35256403.99 0.3595 0.3355

Mercury -101239-10-08 23:16 J -35255840.64 -35255840.53 -35255840.41 0.3773 0.0689

Mercury -101235-10-08 10:47 J -35254380.16 -35254380.05 -35254379.94 0.3598 0.1880

Mercury -101233-04-23 18:57 J -35253816.81 -35253816.71 -35253816.61 0.3770 0.1881

Mercury -101229-04-23 10:04 J -35252356.21 -35252356.08 -35252355.95 0.3601 0.0451

Mercury -101228-11-07 14:52 J -35251792.95 -35251792.88 -35251792.82 0.3766 0.3114

Mercury -101224-11-07 08:52 J -35250332.25 -35250332.13 -35250332.00 0.3605 0.0917

Mercury -101218-05-24 07:25 J -35248308.29 -35248308.19 -35248308.09 0.3608 0.2222

Mercury -101213-12-07 05:30 J -35246284.30 -35246284.27 -35246284.23 0.3612 0.3482

Mercury -101204-03-16 17:30 J -35243262.81 -35243262.77 -35243262.72 0.3785 0.3402

Mercury -101199-09-30 12:13 J -35241239.07 -35241238.99 -35241238.90 0.3782 0.2339

Mercury -101193-04-15 07:11 J -35239215.30 -35239215.20 -35239215.09 0.3779 0.1241

Mercury -101188-10-30 02:23 J -35237191.51 -35237191.40 -35237191.28 0.3776 0.0129

Mercury -101184-10-29 10:47 J -35235731.13 -35235731.05 -35235730.97 0.3596 0.2866

Mercury -101182-05-15 21:49 J -35235167.70 -35235167.59 -35235167.48 0.3772 0.1066

Mercury -101178-05-15 10:18 J -35233707.19 -35233707.07 -35233706.95 0.3599 0.1408

Mercury -101177-11-28 17:30 J -35233143.86 -35233143.77 -35233143.68 0.3769 0.2272

Mercury -101173-11-28 09:35 J -35231683.23 -35231683.10 -35231682.97 0.3602 0.0008

Mercury -101171-06-14 13:25 J -35231119.98 -35231119.94 -35231119.90 0.3765 0.3512

Mercury -101167-06-14 08:23 J -35229659.27 -35229659.15 -35229659.03 0.3606 0.1347

Mercury -101162-12-29 06:42 J -35227635.30 -35227635.22 -35227635.13 0.3609 0.2637

Mercury -101148-10-21 15:49 J -35222589.90 -35222589.84 -35222589.77 0.3784 0.3048

Mercury -101142-05-07 10:47 J -35220566.15 -35220566.05 -35220565.96 0.3781 0.1978

Mercury -101137-11-20 05:45 J -35218542.37 -35218542.26 -35218542.15 0.3778 0.0868

Mercury -101131-06-06 00:57 J -35216518.57 -35216518.46 -35216518.35 0.3775 0.0276

Mercury -101127-06-05 10:33 J -35215058.16 -35215058.06 -35215057.97 0.3597 0.2386

Mercury -101126-12-20 20:23 J -35214494.76 -35214494.65 -35214494.54 0.3771 0.1452

Mercury -101122-12-20 10:04 J -35213034.21 -35213034.08 -35213033.96 0.3600 0.0943

Mercury -101120-07-05 16:04 J -35212470.91 -35212470.83 -35212470.75 0.3768 0.2664

Mercury -101116-07-05 09:06 J -35211010.25 -35211010.12 -35211009.99 0.3603 0.0452

Mercury -101110-01-19 07:40 J -35208986.29 -35208986.18 -35208986.07 0.3607 0.1770

Mercury -101105-08-04 05:59 J -35206962.32 -35206962.25 -35206962.18 0.3611 0.3040

Mercury -101097-11-11 19:40 J -35203940.70 -35203940.68 -35203940.67 0.3786 0.3737

Mercury -101091-05-28 14:09 J -35201916.98 -35201916.91 -35201916.83 0.3783 0.2691

Mercury -101086-12-12 09:06 J -35199893.22 -35199893.12 -35199893.02 0.3780 0.1613

Mercury -101080-06-27 04:04 J -35197869.44 -35197869.33 -35197869.22 0.3777 0.0500

Mercury -101076-06-26 10:18 J -35196409.11 -35196409.07 -35196409.03 0.3594 0.3379

Mercury -101074-01-10 23:30 J -35195845.64 -35195845.52 -35195845.41 0.3774 0.0670

Mercury -101070-01-10 10:04 J -35194385.19 -35194385.08 -35194384.97 0.3598 0.1906

Mercury -101069-07-26 18:57 J -35193821.81 -35193821.71 -35193821.61 0.3770 0.1835

Mercury -101065-07-26 09:35 J -35192361.23 -35192361.10 -35192360.97 0.3601 0.0492

Mercury -101063-02-09 14:37 J -35191797.95 -35191797.89 -35191797.82 0.3766 0.3054

Mercury -101059-02-09 08:23 J -35190337.28 -35190337.15 -35190337.02 0.3605 0.0872

Mercury -101054-08-26 06:57 J -35188313.31 -35188313.21 -35188313.11 0.3608 0.2185

Mercury -101048-03-11 05:01 J -35186289.32 -35186289.29 -35186289.25 0.3612 0.3428

Mercury -101040-06-18 17:45 J -35183267.80 -35183267.76 -35183267.71 0.3785 0.3389

Mercury -101034-01-02 12:28 J -35181244.07 -35181243.98 -35181243.89 0.3782 0.2336

Mercury -101029-07-18 07:25 J -35179220.30 -35179220.19 -35179220.09 0.3779 0.1253

Mercury -101023-02-01 02:37 J -35177196.51 -35177196.39 -35177196.28 0.3776 0.0202

Mercury -101019-01-31 10:04 J -35175736.16 -35175736.08 -35175736.01 0.3596 0.2905

Mercury -101018-08-17 21:49 J -35175172.70 -35175172.59 -35175172.48 0.3773 0.1022

Mercury -101014-08-17 09:35 J -35173712.22 -35173712.10 -35173711.97 0.3599 0.1443

Mercury -101012-03-02 17:30 J -35173148.86 -35173148.77 -35173148.68 0.3769 0.2217

Mercury -101008-03-02 08:52 J -35171688.26 -35171688.13 -35171688.00 0.3602 0.0047

Mercury -101007-09-16 13:11 J -35171124.99 -35171124.95 -35171124.90 0.3765 0.3440

Mercury -101003-09-16 07:40 J -35169664.30 -35169664.18 -35169664.05 0.3606 0.1305

101ST MILLENNIUM BCE

This is a list of transits visible from Venus in the 101st millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-100997-04-01 06:13 J	-35167640.33	-35167640.24	-35167640.15	0.3609	0.2585		
Mercury	-100983-01-23 16:04 J	-35162594.89	-35162594.83	-35162594.76	0.3784	0.3040		
Mercury	-100978-08-09 10:47 J	-35160571.15	-35160571.05	-35160570.96	0.3782	0.1985		
Mercury	-100972-02-22 05:45 J	-35158547.37	-35158547.26	-35158547.15	0.3778	0.0887		
Mercury	-100967-09-08 00:57 J	-35156523.58	-35156523.46	-35156523.35	0.3775	0.0252		
Mercury	-100963-09-07 09:35 J	-35155063.20	-35155063.10	-35155063.00	0.3597	0.2422		
Mercury	-100961-03-23 20:23 J	-35154499.76	-35154499.65	-35154499.55	0.3772	0.1402		
Mercury	-100957-03-23 09:06 J	-35153039.24	-35153039.12	-35153038.99	0.3600	0.0989		
Mercury	-100956-10-07 16:04 J	-35152475.92	-35152475.83	-35152475.75	0.3768	0.2597		
Mercury	-100952-10-07 08:23 J	-35151015.28	-35151015.15	-35151015.02	0.3603	0.0401		
Mercury	-100946-04-23 07:11 J	-35148991.32	-35148991.20	-35148991.09	0.3606	0.1722		
Mercury	-100941-11-06 05:30 J	-35146967.34	-35146967.27	-35146967.20	0.3610	0.2985		
Mercury	-100932-02-13 19:40 J	-35143945.69	-35143945.68	-35143945.66	0.3786	0.3727		
Mercury	-100927-08-30 14:23 J	-35141921.98	-35141921.90	-35141921.83	0.3783	0.2699		
Mercury	-100921-03-15 09:06 J	-35139898.22	-35139898.12	-35139898.02	0.3781	0.1628		
Mercury	-100916-09-29 04:04 J	-35137874.44	-35137874.33	-35137874.22	0.3777	0.0530		
Mercury	-100912-09-28 09:21 J	-35136414.15	-35136414.11	-35136414.07	0.3594	0.3428		

Mercury -100910-04-14 23:16 J -35135850.64 -35135850.53 -35135850.41 0.3774 0.0620

Mercury -100906-04-14 09:21 J -35134390.22 -35134390.11 -35134390.00 0.3597 0.1947

Mercury -100905-10-28 18:57 J -35133826.81 -35133826.71 -35133826.61 0.3770 0.1780

Mercury -100901-10-28 08:37 J -35132366.27 -35132366.14 -35132366.00 0.3600 0.0546

Mercury -100899-05-14 14:37 J -35131802.96 -35131802.89 -35131802.82 0.3767 0.2982

Mercury -100895-05-14 07:54 J -35130342.30 -35130342.17 -35130342.05 0.3604 0.0835

Mercury -100890-11-28 06:28 J -35128318.33 -35128318.23 -35128318.13 0.3607 0.2136

Mercury -100884-06-13 04:47 J -35126294.34 -35126294.30 -35126294.26 0.3611 0.3381

Mercury -100876-09-20 17:59 J -35123272.80 -35123272.75 -35123272.70 0.3785 0.3385

Mercury -100870-04-06 12:42 J -35121249.06 -35121248.97 -35121248.89 0.3783 0.2350

Mercury -100865-10-20 07:25 J -35119225.29 -35119225.19 -35119225.08 0.3780 0.1272

Mercury -100859-05-06 02:37 J -35117201.51 -35117201.39 -35117201.28 0.3776 0.0211

Mercury -100855-05-05 09:06 J -35115741.19 -35115741.12 -35115741.04 0.3595 0.2940

Mercury -100854-11-19 21:49 J -35115177.70 -35115177.59 -35115177.48 0.3773 0.0984

Mercury -100850-11-19 09:06 J -35113717.25 -35113717.12 -35113717.00 0.3598 0.1482

Mercury -100848-06-04 17:30 J -35113153.87 -35113153.77 -35113153.68 0.3769 0.2160

Mercury -100844-06-04 08:09 J -35111693.29 -35111693.16 -35111693.02 0.3602 0.0157

Mercury -100843-12-19 13:11 J -35111130.00 -35111129.95 -35111129.90 0.3766 0.3372

Mercury -100839-12-19 07:11 J -35109669.32 -35109669.20 -35109669.07 0.3605 0.1261

Mercury -100833-07-04 05:45 J -35107645.35 -35107645.26 -35107645.17 0.3609 0.2541

Mercury -100819-04-27 16:18 J -35102599.89 -35102599.82 -35102599.76 0.3785 0.3043

Mercury -100814-11-11 11:01 J -35100576.14 -35100576.04 -35100575.95 0.3782 0.1998

Mercury -100808-05-27 05:45 J -35098552.37 -35098552.26 -35098552.15 0.3778 0.0918

Mercury -100803-12-11 00:57 J -35096528.57 -35096528.46 -35096528.35 0.3775 0.0205

Mercury -100799-12-10 08:52 J -35095068.22 -35095068.13 -35095068.03 0.3596 0.2459

Mercury -100797-06-25 20:23 J -35094504.76 -35094504.65 -35094504.54 0.3772 0.1354

Mercury -100793-06-25 08:37 J -35093044.27 -35093044.14 -35093044.02 0.3599 0.1025

Mercury -100791-01-09 16:04 J -35092480.92 -35092480.83 -35092480.75 0.3768 0.2539

Mercury -100787-01-09 07:40 J -35091020.31 -35091020.18 -35091020.04 0.3603 0.0371

Mercury -100786-07-26 11:45 J -35090457.01 -35090457.01 -35090457.00 0.3765 0.3757

Mercury -100782-07-26 06:42 J -35088996.34 -35088996.22 -35088996.11 0.3606 0.1677

Mercury -100776-02-08 05:01 J -35086972.36 -35086972.29 -35086972.22 0.3610 0.2934

Mercury -100768-05-18 19:54 J -35083950.69 -35083950.67 -35083950.65 0.3786 0.3720

Mercury -100763-12-02 14:23 J -35081926.97 -35081926.90 -35081926.82 0.3784 0.2700

Mercury -100757-06-17 09:21 J -35079903.21 -35079903.11 -35079903.01 0.3781 0.1646

Mercury -100751-01-01 04:18 J -35077879.44 -35077879.32 -35077879.21 0.3778 0.0566

Mercury -100748-12-31 08:37 J -35076419.17 -35076419.14 -35076419.11 0.3594 0.3461

Mercury -100746-07-17 23:30 J -35075855.64 -35075855.52 -35075855.41 0.3774 0.0581

Mercury -100742-07-17 08:37 J -35074395.25 -35074395.14 -35074395.03 0.3597 0.1985

Mercury -100740-01-30 18:57 J -35073831.82 -35073831.71 -35073831.61 0.3771 0.1728

Mercury -100736-01-30 08:09 J -35072371.29 -35072371.16 -35072371.03 0.3600 0.0586

Mercury -100735-08-16 14:37 J -35071807.97 -35071807.89 -35071807.82 0.3767 0.2915

Mercury -100731-08-16 07:11 J -35070347.33 -35070347.20 -35070347.07 0.3604 0.0786

Mercury -100725-03-01 05:45 J -35068323.36 -35068323.26 -35068323.15 0.3607 0.2079

Mercury -100720-09-15 04:18 J -35066299.37 -35066299.32 -35066299.28 0.3611 0.3326

Mercury -100712-12-23 18:13 J -35063277.79 -35063277.74 -35063277.69 0.3786 0.3379

Mercury -100706-07-09 12:42 J -35061254.05 -35061253.97 -35061253.88 0.3783 0.2353

Mercury -100700-01-22 07:40 J -35059230.29 -35059230.18 -35059230.08 0.3780 0.1294

Mercury -100695-08-08 02:37 J -35057206.51 -35057206.39 -35057206.28 0.3777 0.0218

Mercury -100691-08-07 08:23 J -35055746.22 -35055746.15 -35055746.08 0.3595 0.2979

Mercury -100689-02-21 21:49 J -35055182.70 -35055182.59 -35055182.48 0.3773 0.0937

Mercury -100685-02-21 08:09 J -35053722.28 -35053722.16 -35053722.04 0.3598 0.1533

Mercury -100684-09-06 17:16 J -35053158.87 -35053158.78 -35053158.68 0.3770 0.2094

Mercury -100680-09-06 07:40 J -35051698.31 -35051698.18 -35051698.05 0.3601 0.0147

Mercury -100678-03-23 13:11 J -35051135.01 -35051134.95 -35051134.90 0.3766 0.3294

Mercury -100674-03-23 06:42 J -35049674.35 -35049674.22 -35049674.10 0.3605 0.1207

Mercury -100669-10-06 05:16 J -35047650.38 -35047650.28 -35047650.19 0.3608 0.2480

Mercury -100655-07-30 16:18 J -35042604.88 -35042604.82 -35042604.75 0.3785 0.3046

Mercury -100649-02-13 11:01 J -35040581.13 -35040581.04 -35040580.94 0.3782 0.2006

Mercury -100644-08-29 05:59 J -35038557.36 -35038557.25 -35038557.15 0.3779 0.0951

Mercury -100638-03-15 00:57 J -35036533.57 -35036533.46 -35036533.34 0.3776 0.0178
 Mercury -100634-03-14 08:09 J -35035073.26 -35035073.16 -35035073.07 0.3596 0.2511
 Mercury -100633-09-27 20:23 J -35034509.76 -35034509.65 -35034509.55 0.3772 0.1302
 Mercury -100629-09-27 07:40 J -35033049.30 -35033049.18 -35033049.05 0.3599 0.1084
 Mercury -100627-04-13 15:49 J -35032485.92 -35032485.84 -35032485.75 0.3769 0.2470
 Mercury -100623-04-13 07:11 J -35031025.33 -35031025.20 -35031025.07 0.3602 0.0307
 Mercury -100622-10-28 11:45 J -35030462.03 -35030462.01 -35030461.99 0.3765 0.3670
 Mercury -100618-10-28 05:59 J -35029001.37 -35029001.25 -35029001.13 0.3606 0.1614
 Mercury -100612-05-13 04:33 J -35026977.39 -35026977.31 -35026977.23 0.3609 0.2879
 Mercury -100604-08-20 20:09 J -35023955.68 -35023955.66 -35023955.64 0.3787 0.3717
 Mercury -100598-03-06 14:37 J -35021931.97 -35021931.89 -35021931.81 0.3784 0.2705
 Mercury -100593-09-19 09:21 J -35019908.21 -35019908.11 -35019908.01 0.3781 0.1663
 Mercury -100587-04-05 04:18 J -35017884.43 -35017884.32 -35017884.21 0.3778 0.0591
 Mercury -100583-04-04 07:40 J -35016424.20 -35016424.18 -35016424.15 0.3594 0.3508
 Mercury -100582-10-19 23:30 J -35015860.64 -35015860.52 -35015860.41 0.3775 0.0535
 Mercury -100578-10-19 07:40 J -35014400.29 -35014400.18 -35014400.07 0.3597 0.2043
 Mercury -100576-05-04 18:42 J -35013836.82 -35013836.72 -35013836.61 0.3771 0.1669
 Mercury -100572-05-04 07:25 J -35012376.32 -35012376.19 -35012376.06 0.3600 0.0630
 Mercury -100571-11-18 14:23 J -35011812.97 -35011812.90 -35011812.82 0.3767 0.2845
 Mercury -100567-11-18 06:42 J -35010352.35 -35010352.22 -35010352.10 0.3603 0.0740
 Mercury -100561-06-03 05:16 J -35008328.38 -35008328.28 -35008328.17 0.3607 0.2024
 Mercury -100556-12-18 03:49 J -35006304.39 -35006304.34 -35006304.29 0.3610 0.3269
 Mercury -100547-03-27 18:13 J -35003282.78 -35003282.74 -35003282.69 0.3786 0.3386
 Mercury -100542-10-11 12:57 J -35001259.05 -35001258.96 -35001258.88 0.3783 0.2370
 Mercury -100536-04-26 07:40 J -34999235.29 -34999235.18 -34999235.08 0.3780 0.1316
 Mercury -100531-11-10 02:37 J -34997211.50 -34997211.39 -34997211.28 0.3777 0.0236
 Mercury -100527-11-09 07:25 J -34995751.26 -34995751.19 -34995751.12 0.3594 0.3029
 Mercury -100525-05-25 21:49 J -34995187.70 -34995187.59 -34995187.48 0.3774 0.0885
 Mercury -100521-05-25 07:25 J -34993727.31 -34993727.19 -34993727.07 0.3598 0.1581
 Mercury -100520-12-09 17:16 J -34993163.87 -34993163.78 -34993163.68 0.3770 0.2039

Mercury -100516-12-09 06:57 J -34991703.34 -34991703.21 -34991703.08 0.3601 0.0191

Mercury -100514-06-25 13:11 J -34991140.01 -34991139.95 -34991139.90 0.3766 0.3220

Mercury -100510-06-25 05:59 J -34989679.37 -34989679.25 -34989679.12 0.3604 0.1150

Mercury -100504-01-08 04:47 J -34987655.40 -34987655.30 -34987655.21 0.3608 0.2427

Mercury -100491-11-01 16:33 J -34982609.87 -34982609.81 -34982609.75 0.3785 0.3050

Mercury -100485-05-17 11:16 J -34980586.13 -34980586.03 -34980585.94 0.3782 0.2026

Mercury -100480-12-01 05:59 J -34978562.36 -34978562.25 -34978562.14 0.3779 0.0967

Mercury -100474-06-17 01:11 J -34976538.57 -34976538.45 -34976538.34 0.3776 0.0189

Mercury -100470-06-16 07:11 J -34975078.29 -34975078.20 -34975078.10 0.3595 0.2555

Mercury -100469-12-30 20:23 J -34974514.76 -34974514.65 -34974514.54 0.3773 0.1248

Mercury -100465-12-30 07:11 J -34973054.33 -34973054.20 -34973054.08 0.3599 0.1128

Mercury -100463-07-16 15:49 J -34972490.93 -34972490.84 -34972490.75 0.3769 0.2406

Mercury -100459-07-16 06:28 J -34971030.36 -34971030.23 -34971030.10 0.3602 0.0259

Mercury -100457-01-30 11:45 J -34970467.04 -34970467.01 -34970466.98 0.3765 0.3593

Mercury -100453-01-30 05:30 J -34969006.39 -34969006.27 -34969006.16 0.3605 0.1562

Mercury -100448-08-15 04:04 J -34966982.41 -34966982.33 -34966982.25 0.3609 0.2822

Mercury -100440-11-22 20:23 J -34963960.67 -34963960.65 -34963960.63 0.3787 0.3712

Mercury -100434-06-08 14:52 J -34961936.96 -34961936.88 -34961936.81 0.3784 0.2714

Mercury -100429-12-22 09:35 J -34959913.20 -34959913.10 -34959913.00 0.3781 0.1684

Mercury -100423-07-08 04:18 J -34957889.43 -34957889.32 -34957889.21 0.3778 0.0623

Mercury -100419-07-07 06:57 J -34956429.23 -34956429.21 -34956429.19 0.3593 0.3551

Mercury -100417-01-21 23:30 J -34955865.63 -34955865.52 -34955865.41 0.3775 0.0481

Mercury -100413-01-21 06:57 J -34954405.32 -34954405.21 -34954405.10 0.3596 0.2089

Mercury -100412-08-06 18:42 J -34953841.82 -34953841.72 -34953841.61 0.3772 0.1613

Mercury -100408-08-06 06:42 J -34952381.35 -34952381.22 -34952381.09 0.3600 0.0678

Mercury -100406-02-20 14:23 J -34951817.97 -34951817.90 -34951817.82 0.3768 0.2772

Mercury -100402-02-20 05:59 J -34950357.38 -34950357.25 -34950357.12 0.3603 0.0671

Mercury -100397-09-05 04:47 J -34948333.41 -34948333.30 -34948333.19 0.3606 0.1969

Mercury -100391-03-22 03:21 J -34946309.42 -34946309.36 -34946309.31 0.3610 0.3202

Mercury -100383-06-29 18:28 J -34943287.77 -34943287.73 -34943287.68 0.3786 0.3385

Mercury -100377-01-13 13:11 J -34941264.04 -34941263.95 -34941263.87 0.3783 0.2380

Mercury -100372-07-29 07:40 J -34939240.28 -34939240.18 -34939240.07 0.3781 0.1350

Mercury -100366-02-12 02:52 J -34937216.50 -34937216.38 -34937216.27 0.3777 0.0303

Mercury -100362-02-11 06:42 J -34935756.29 -34935756.22 -34935756.16 0.3594 0.3083

Mercury -100361-08-27 21:49 J -34935192.70 -34935192.59 -34935192.48 0.3774 0.0834

Mercury -100357-08-27 06:42 J -34933732.34 -34933732.22 -34933732.10 0.3597 0.1629

Mercury -100355-03-13 17:16 J -34933168.87 -34933168.78 -34933168.68 0.3771 0.1974

Mercury -100351-03-13 06:13 J -34931708.37 -34931708.24 -34931708.11 0.3601 0.0246

Mercury -100350-09-27 12:57 J -34931145.02 -34931144.96 -34931144.90 0.3767 0.3135

Mercury -100346-09-27 05:30 J -34929684.40 -34929684.27 -34929684.15 0.3604 0.1094

Mercury -100340-04-12 04:04 J -34927660.42 -34927660.33 -34927660.23 0.3607 0.2367

Mercury -100335-10-27 02:23 J -34925636.41 -34925636.40 -34925636.38 0.3611 0.3580

Mercury -100326-02-03 16:47 J -34922614.86 -34922614.80 -34922614.74 0.3785 0.3054

Mercury -100321-08-19 11:16 J -34920591.12 -34920591.03 -34920590.94 0.3783 0.2045

Mercury -100315-03-05 05:59 J -34918567.35 -34918567.25 -34918567.14 0.3780 0.1008

Mercury -100310-09-19 01:11 J -34916543.57 -34916543.45 -34916543.34 0.3776 0.0167

Mercury -100306-09-18 06:28 J -34915083.32 -34915083.23 -34915083.14 0.3595 0.2612

Mercury -100304-04-03 20:23 J -34914519.76 -34914519.65 -34914519.54 0.3773 0.1190

Mercury -100300-04-03 06:13 J -34913059.36 -34913059.24 -34913059.11 0.3598 0.1187

Mercury -100299-10-18 15:49 J -34912495.93 -34912495.84 -34912495.75 0.3769 0.2329

Mercury -100295-10-18 05:45 J -34911035.39 -34911035.26 -34911035.13 0.3601 0.0182

Mercury -100293-05-03 11:30 J -34910472.06 -34910472.02 -34910471.98 0.3766 0.3505

Mercury -100289-05-03 04:47 J -34909011.42 -34909011.30 -34909011.18 0.3605 0.1499

Mercury -100284-11-17 03:35 J -34906987.44 -34906987.35 -34906987.27 0.3608 0.2755

Mercury -100275-02-24 20:37 J -34903965.66 -34903965.64 -34903965.63 0.3787 0.3716

Mercury -100270-09-10 14:52 J -34901941.95 -34901941.88 -34901941.80 0.3785 0.2731

Mercury -100264-03-26 09:35 J -34899918.20 -34899918.10 -34899918.00 0.3782 0.1709

Mercury -100259-10-10 04:33 J -34897894.43 -34897894.31 -34897894.20 0.3779 0.0675

Mercury -100253-04-24 23:30 J -34895870.63 -34895870.52 -34895870.41 0.3775 0.0428

Mercury -100249-04-24 06:13 J -34894410.35 -34894410.24 -34894410.13 0.3596 0.2147

Mercury -100248-11-08 18:57 J -34893846.82 -34893846.71 -34893846.61 0.3772 0.1553

Mercury -100244-11-08 05:59 J -34892386.38 -34892386.25 -34892386.12 0.3599 0.0742

Mercury -100242-05-25 14:23 J -34891822.98 -34891822.90 -34891822.82 0.3768 0.2693

Mercury -100238-05-25 05:16 J -34890362.41 -34890362.28 -34890362.15 0.3603 0.0606

Mercury -100233-12-08 04:18 J -34888338.43 -34888338.32 -34888338.21 0.3606 0.1905

Mercury -100227-06-24 02:52 J -34886314.44 -34886314.38 -34886314.32 0.3610 0.3138

Mercury -100219-10-01 18:42 J -34883292.77 -34883292.72 -34883292.67 0.3786 0.3392

Mercury -100213-04-16 13:11 J -34881269.03 -34881268.95 -34881268.86 0.3784 0.2396

Mercury -100208-10-31 07:54 J -34879245.27 -34879245.17 -34879245.07 0.3781 0.1371

Mercury -100202-05-17 02:52 J -34877221.50 -34877221.38 -34877221.27 0.3777 0.0322

Mercury -100198-05-16 05:45 J -34875761.32 -34875761.26 -34875761.19 0.3594 0.3136

Mercury -100197-11-29 22:04 J -34875197.70 -34875197.58 -34875197.47 0.3774 0.0797

Mercury -100193-11-29 05:59 J -34873737.37 -34873737.25 -34873737.13 0.3597 0.1688

Mercury -100191-06-15 17:16 J -34873173.88 -34873173.78 -34873173.68 0.3771 0.1907

Mercury -100187-06-15 05:30 J -34871713.40 -34871713.27 -34871713.14 0.3600 0.0306

Mercury -100186-12-30 12:57 J -34871150.03 -34871149.96 -34871149.89 0.3767 0.3061

Mercury -100182-12-30 04:47 J -34869689.42 -34869689.30 -34869689.17 0.3604 0.1028

Mercury -100176-07-15 03:35 J -34867665.45 -34867665.35 -34867665.25 0.3607 0.2305

Mercury -100170-01-29 02:09 J -34865641.44 -34865641.41 -34865641.39 0.3611 0.3516

Mercury -100162-05-08 17:01 J -34862619.86 -34862619.79 -34862619.73 0.3785 0.3067

Mercury -100157-11-21 11:30 J -34860596.11 -34860596.02 -34860595.93 0.3783 0.2062

Mercury -100151-06-07 06:13 J -34858572.35 -34858572.24 -34858572.13 0.3780 0.1030

Mercury -100146-12-22 01:11 J -34856548.56 -34856548.45 -34856548.34 0.3777 0.0044

Mercury -100142-12-21 05:45 J -34855088.35 -34855088.26 -34855088.17 0.3595 0.2665

Mercury -100140-07-06 20:23 J -34854524.76 -34854524.65 -34854524.54 0.3773 0.1135

Mercury -100136-07-06 05:30 J -34853064.39 -34853064.27 -34853064.14 0.3598 0.1244

Mercury -100134-01-20 15:49 J -34852500.93 -34852500.84 -34852500.75 0.3770 0.2262

Mercury -100130-01-20 05:01 J -34851040.42 -34851040.29 -34851040.15 0.3601 0.0172

Mercury -100129-08-05 11:30 J -34850477.06 -34850477.02 -34850476.97 0.3766 0.3424

Mercury -100125-08-05 04:18 J -34849016.44 -34849016.32 -34849016.20 0.3605 0.1439

Mercury -100119-02-19 02:52 J -34846992.46 -34846992.38 -34846992.29 0.3608 0.2686

Mercury -100111-05-29 20:52 J -34843970.65 -34843970.63 -34843970.62 0.3787 0.3718

Mercury -100106-12-13 15:06 J -34841946.94 -34841946.87 -34841946.79 0.3785 0.2739

Mercury -100100-06-28 09:49 J -34839923.19 -34839923.09 -34839922.99 0.3782 0.1731

Mercury -100094-01-12 04:33 J -34837899.42 -34837899.31 -34837899.20 0.3779 0.0691

Mercury -100089-07-27 23:30 J -34835875.63 -34835875.52 -34835875.40 0.3776 0.0396

Mercury -100085-07-27 05:30 J -34834415.38 -34834415.27 -34834415.17 0.3596 0.2204

Mercury -100083-02-10 18:57 J -34833851.82 -34833851.71 -34833851.61 0.3772 0.1490

Mercury -100079-02-10 05:16 J -34832391.41 -34832391.28 -34832391.15 0.3599 0.0808

Mercury -100078-08-27 14:23 J -34831827.98 -34831827.90 -34831827.82 0.3769 0.2616

Mercury -100074-08-27 04:33 J -34830367.44 -34830367.31 -34830367.17 0.3602 0.0560

Mercury -100068-03-12 03:35 J -34828343.46 -34828343.35 -34828343.24 0.3606 0.1830

Mercury -100063-09-26 02:23 J -34826319.47 -34826319.40 -34826319.34 0.3609 0.3069

Mercury -100054-01-03 18:57 J -34823297.76 -34823297.71 -34823297.66 0.3787 0.3396

Mercury -100049-07-19 13:25 J -34821274.03 -34821273.94 -34821273.86 0.3784 0.2413

Mercury -100043-02-02 08:09 J -34819250.27 -34819250.16 -34819250.06 0.3781 0.1405

Mercury -100038-08-19 02:52 J -34817226.49 -34817226.38 -34817226.27 0.3778 0.0356

Mercury -100034-08-18 05:01 J -34815766.35 -34815766.29 -34815766.23 0.3594 0.3193

Mercury -100032-03-03 22:04 J -34815202.69 -34815202.58 -34815202.47 0.3775 0.0733

Mercury -100028-03-03 05:01 J -34813742.41 -34813742.29 -34813742.17 0.3597 0.1759

Mercury -100027-09-17 17:16 J -34813178.88 -34813178.78 -34813178.68 0.3771 0.1831

Mercury -100023-09-17 04:47 J -34811718.43 -34811718.30 -34811718.17 0.3600 0.0371

Mercury -100021-04-02 12:57 J -34811155.03 -34811154.96 -34811154.89 0.3768 0.2976

Mercury -100017-04-02 04:04 J -34809694.45 -34809694.33 -34809694.20 0.3603 0.0958

Mercury -100012-10-17 03:06 J -34807670.48 -34807670.37 -34807670.27 0.3607 0.2225

Mercury -100006-05-03 01:40 J -34805646.47 -34805646.43 -34805646.40 0.3610 0.3442

100TH MILLENNIUM

BCE

This is a list of transits visible from Venus in the 100th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-99998-08-10 17:01 J	-34802624.85	-34802624.79	-34802624.72	0.3786	0.3083		
Mercury	-99992-02-23 11:45 J	-34800601.11	-34800601.01	-34800600.92	0.3783	0.2090		
Mercury	-99987-09-09 06:13 J	-34798577.34	-34798577.24	-34798577.13	0.3780	0.1077		
Mercury	-99981-03-25 01:11 J	-34796553.56	-34796553.45	-34796553.33	0.3777	0.0083		
Mercury	-99977-03-24 04:47 J	-34795093.39	-34795093.30	-34795093.22	0.3594	0.2734		
Mercury	-99976-10-08 20:23 J	-34794529.76	-34794529.65	-34794529.54	0.3774	0.1069		
Mercury	-99972-10-08 04:47 J	-34793069.43	-34793069.30	-34793069.18	0.3598	0.1313		
Mercury	-99970-04-24 15:49 J	-34792505.93	-34792505.84	-34792505.75	0.3770	0.2185		
Mercury	-99966-04-24 04:18 J	-34791045.45	-34791045.32	-34791045.18	0.3601	0.0134		
Mercury	-99965-11-07 11:30 J	-34790482.07	-34790482.02	-34790481.97	0.3766	0.3335		
Mercury	-99961-11-07 03:35 J	-34789021.47	-34789021.35	-34789021.23	0.3604	0.1363		
Mercury	-99955-05-24 02:23 J	-34786997.49	-34786997.40	-34786997.31	0.3608	0.2612		
Mercury	-99947-08-31 20:52 J	-34783975.64	-34783975.63	-34783975.61	0.3788	0.3729		
Mercury	-99941-03-16 15:21 J	-34781951.93	-34781951.86	-34781951.79	0.3785	0.2757		
Mercury	-99936-09-30 09:49 J	-34779928.19	-34779928.09	-34779927.99	0.3782	0.1763		
Mercury	-99930-04-16 04:33 J	-34777904.42	-34777904.31	-34777904.20	0.3779	0.0748		
Mercury	-99925-10-29 23:45 J	-34775880.63	-34775880.51	-34775880.40	0.3776	0.0355		
Mercury	-99921-10-29 04:33 J	-34774420.42	-34774420.31	-34774420.21	0.3595	0.2275		
Mercury	-99919-05-15 18:57 J	-34773856.82	-34773856.71	-34773856.61	0.3772	0.1424		

Mercury -99915-05-15 04:33 J -34772396.44 -34772396.31 -34772396.18 0.3599 0.0875

Mercury -99914-11-29 14:23 J -34771832.99 -34771832.90 -34771832.82 0.3769 0.2541

Mercury -99910-11-29 04:04 J -34770372.46 -34770372.33 -34770372.20 0.3602 0.0484

Mercury -99908-06-14 10:04 J -34769809.10 -34769809.08 -34769809.06 0.3765 0.3693

Mercury -99904-06-14 03:06 J -34768348.49 -34768348.37 -34768348.26 0.3605 0.1763

Mercury -99899-12-29 01:54 J -34766324.49 -34766324.42 -34766324.35 0.3609 0.2998

Mercury -99890-04-07 19:11 J -34763302.75 -34763302.70 -34763302.66 0.3787 0.3410

Mercury -99885-10-21 13:40 J -34761279.02 -34761278.93 -34761278.85 0.3784 0.2440

Mercury -99879-05-07 08:09 J -34759255.26 -34759255.16 -34759255.06 0.3781 0.1432

Mercury -99874-11-21 03:06 J -34757231.49 -34757231.37 -34757231.26 0.3778 0.0415

Mercury -99870-11-20 04:04 J -34755771.39 -34755771.33 -34755771.28 0.3593 0.3255

Mercury -99868-06-05 22:04 J -34755207.69 -34755207.58 -34755207.47 0.3775 0.0669

Mercury -99864-06-05 04:18 J -34753747.44 -34753747.32 -34753747.21 0.3596 0.1820

Mercury -99863-12-20 17:16 J -34753183.88 -34753183.78 -34753183.68 0.3772 0.1771

Mercury -99859-12-20 04:04 J -34751723.46 -34751723.33 -34751723.19 0.3599 0.0445

Mercury -99857-07-05 12:57 J -34751160.03 -34751159.96 -34751159.89 0.3768 0.2897

Mercury -99853-07-05 03:35 J -34749699.48 -34749699.35 -34749699.22 0.3603 0.0893

Mercury -99847-01-19 02:23 J -34747675.50 -34747675.40 -34747675.29 0.3606 0.2160

Mercury -99842-08-05 01:11 J -34745651.49 -34745651.45 -34745651.41 0.3610 0.3371

Mercury -99834-11-12 17:16 J -34742629.84 -34742629.78 -34742629.71 0.3786 0.3095

Mercury -99828-05-28 11:45 J -34740606.10 -34740606.01 -34740605.92 0.3783 0.2115

Mercury -99823-12-12 06:28 J -34738582.34 -34738582.23 -34738582.12 0.3780 0.1101

Mercury -99817-06-27 01:25 J -34736558.56 -34736558.44 -34736558.33 0.3777 0.0097

Mercury -99813-06-26 03:49 J -34735098.42 -34735098.34 -34735098.26 0.3594 0.2793

Mercury -99811-01-10 20:23 J -34734534.76 -34734534.65 -34734534.54 0.3774 0.1018

Mercury -99807-01-10 04:04 J -34733074.46 -34733074.33 -34733074.21 0.3597 0.1375

Mercury -99806-07-27 15:49 J -34732510.93 -34732510.84 -34732510.75 0.3771 0.2113

Mercury -99802-07-27 03:49 J -34731050.48 -34731050.34 -34731050.21 0.3601 0.0084

Mercury -99800-02-09 11:30 J -34730487.08 -34730487.02 -34730486.97 0.3767 0.3250

Mercury -99796-02-09 02:52 J -34729026.50 -34729026.38 -34729026.25 0.3604 0.1295

Mercury -99791-08-26 01:54 J -34727002.51 -34727002.42 -34727002.33 0.3607 0.2541

Mercury -99783-12-03 21:21 J -34723980.63 -34723980.61 -34723980.60 0.3788 0.3734

Mercury -99777-06-18 15:35 J -34721956.92 -34721956.85 -34721956.78 0.3785 0.2775

Mercury -99771-01-02 10:04 J -34719933.18 -34719933.08 -34719932.98 0.3782 0.1789

Mercury -99766-07-19 04:47 J -34717909.41 -34717909.30 -34717909.19 0.3780 0.0773

Mercury -99760-01-31 23:45 J -34715885.62 -34715885.51 -34715885.40 0.3776 0.0275

Mercury -99756-01-31 03:35 J -34714425.45 -34714425.35 -34714425.25 0.3595 0.2341

Mercury -99755-08-17 18:57 J -34713861.82 -34713861.71 -34713861.61 0.3773 0.1351

Mercury -99751-08-17 03:49 J -34712401.47 -34712401.34 -34712401.21 0.3598 0.0943

Mercury -99749-03-02 14:23 J -34711837.99 -34711837.90 -34711837.82 0.3770 0.2463

Mercury -99745-03-02 03:20 J -34710377.50 -34710377.36 -34710377.23 0.3602 0.0415

Mercury -99744-09-16 09:49 J -34709814.12 -34709814.09 -34709814.05 0.3766 0.3597

Mercury -99740-09-16 02:23 J -34708353.51 -34708353.40 -34708353.28 0.3605 0.1689

Mercury -99734-04-02 01:11 J -34706329.52 -34706329.45 -34706329.37 0.3608 0.2914

Mercury -99726-07-10 19:25 J -34703307.73 -34703307.69 -34703307.65 0.3787 0.3419

Mercury -99720-01-23 13:40 J -34701284.01 -34701283.93 -34701283.84 0.3784 0.2464

Mercury -99715-08-09 08:23 J -34699260.25 -34699260.15 -34699260.05 0.3782 0.1470

Mercury -99709-02-23 03:06 J -34697236.48 -34697236.37 -34697236.26 0.3779 0.0444

Mercury -99705-02-22 03:06 J -34695776.42 -34695776.37 -34695776.33 0.3593 0.3334

Mercury -99704-09-07 22:04 J -34695212.69 -34695212.58 -34695212.47 0.3775 0.0608

Mercury -99700-09-07 03:20 J -34693752.47 -34693752.36 -34693752.24 0.3596 0.1890

Mercury -99698-03-24 17:16 J -34693188.88 -34693188.78 -34693188.68 0.3772 0.1695

Mercury -99694-03-24 03:20 J -34691728.49 -34691728.36 -34691728.23 0.3599 0.0517

Mercury -99693-10-07 12:42 J -34691165.04 -34691164.97 -34691164.89 0.3768 0.2808

Mercury -99689-10-07 02:52 J -34689704.51 -34689704.38 -34689704.25 0.3603 0.0813

Mercury -99683-04-23 01:54 J -34687680.53 -34687680.42 -34687680.31 0.3606 0.2076

Mercury -99678-11-07 00:28 J -34685656.53 -34685656.48 -34685656.43 0.3609 0.3284

Mercury -99669-02-14 17:30 J -34682634.83 -34682634.77 -34682634.71 0.3786 0.3109

Mercury -99664-08-30 11:59 J -34680611.09 -34680611.00 -34680610.91 0.3784 0.2144

Mercury -99658-03-16 06:42 J -34678587.33 -34678587.22 -34678587.12 0.3781 0.1149

Mercury -99653-09-29 01:25 J -34676563.55 -34676563.44 -34676563.33 0.3778 0.0117

Mercury -99649-09-28 02:52 J -34675103.46 -34675103.38 -34675103.30 0.3594 0.2871

Mercury -99647-04-14 20:23 J -34674539.75 -34674539.65 -34674539.54 0.3774 0.0954

Mercury -99643-04-14 03:06 J -34673079.49 -34673079.37 -34673079.24 0.3597 0.1451

Mercury -99642-10-29 15:49 J -34672515.94 -34672515.84 -34672515.75 0.3771 0.2033

Mercury -99638-10-29 02:52 J -34671055.51 -34671055.38 -34671055.24 0.3600 0.0120

Mercury -99636-05-14 11:16 J -34670492.09 -34670492.03 -34670491.97 0.3767 0.3157

Mercury -99632-05-14 02:23 J -34669031.53 -34669031.40 -34669031.28 0.3603 0.1213

Mercury -99627-11-28 01:25 J -34667007.54 -34667007.44 -34667007.35 0.3607 0.2464

Mercury -99618-03-07 21:35 J -34663985.62 -34663985.60 -34663985.59 0.3788 0.3746

Mercury -99613-09-20 15:49 J -34661961.92 -34661961.84 -34661961.77 0.3785 0.2803

Mercury -99607-04-06 10:18 J -34659938.17 -34659938.07 -34659937.98 0.3783 0.1828

Mercury -99602-10-21 05:01 J -34657914.40 -34657914.29 -34657914.19 0.3780 0.0836

Mercury -99596-05-05 23:44 J -34655890.62 -34655890.51 -34655890.39 0.3777 0.0235

Mercury -99592-05-05 02:52 J -34654430.48 -34654430.38 -34654430.28 0.3595 0.2412

Mercury -99591-11-19 18:56 J -34653866.82 -34653866.71 -34653866.60 0.3773 0.1280

Mercury -99587-11-19 02:52 J -34652406.51 -34652406.38 -34652406.25 0.3598 0.1015

Mercury -99585-06-04 14:23 J -34651842.99 -34651842.90 -34651842.82 0.3770 0.2380

Mercury -99581-06-04 02:37 J -34650382.53 -34650382.39 -34650382.26 0.3601 0.0332

Mercury -99580-12-19 09:49 J -34649819.13 -34649819.09 -34649819.05 0.3766 0.3507

Mercury -99576-12-19 01:54 J -34648358.54 -34648358.42 -34648358.30 0.3604 0.1610

Mercury -99570-07-05 00:42 J -34646334.55 -34646334.47 -34646334.39 0.3608 0.2837

Mercury -99562-10-12 19:40 J -34643312.73 -34643312.68 -34643312.64 0.3787 0.3438

Mercury -99556-04-27 13:54 J -34641289.00 -34641288.92 -34641288.84 0.3785 0.2487

Mercury -99551-11-11 08:23 J -34639265.25 -34639265.15 -34639265.04 0.3782 0.1512

Mercury -99545-05-27 03:06 J -34637241.48 -34637241.37 -34637241.25 0.3779 0.0516

Mercury -99541-05-26 02:08 J -34635781.45 -34635781.41 -34635781.37 0.3593 0.3404

Mercury -99540-12-10 22:18 J -34635217.69 -34635217.57 -34635217.46 0.3776 0.0565

Mercury -99536-12-10 02:37 J -34633757.50 -34633757.39 -34633757.28 0.3596 0.1961

Mercury -99534-06-26 17:30 J -34633193.88 -34633193.77 -34633193.67 0.3772 0.1625

Mercury -99530-06-26 02:37 J -34631733.52 -34631733.39 -34631733.26 0.3599 0.0589

Mercury -99528-01-09 12:42 J -34631170.04 -34631169.97 -34631169.89 0.3769 0.2727

Mercury -99524-01-09 02:08 J -34629709.54 -34629709.41 -34629709.28 0.3602 0.0735

Mercury -99519-07-26 01:25 J -34627685.55 -34627685.44 -34627685.34 0.3605 0.2001

Mercury -99513-02-08 23:59 J -34625661.56 -34625661.50 -34625661.44 0.3609 0.3203

Mercury -99505-05-18 17:44 J -34622639.82 -34622639.76 -34622639.70 0.3786 0.3130

Mercury -99500-12-02 12:13 J -34620616.08 -34620615.99 -34620615.90 0.3784 0.2171

Mercury -99494-06-18 06:42 J -34618592.32 -34618592.22 -34618592.11 0.3781 0.1190

Mercury -99488-01-01 01:40 J -34616568.55 -34616568.43 -34616568.32 0.3778 0.0195

Mercury -99485-12-31 02:08 J -34615108.49 -34615108.41 -34615108.34 0.3594 0.2938

Mercury -99483-07-17 20:37 J -34614544.75 -34614544.64 -34614544.53 0.3775 0.0881

Mercury -99479-07-17 02:23 J -34613084.52 -34613084.40 -34613084.28 0.3597 0.1522

Mercury -99477-01-31 15:49 J -34612520.93 -34612520.84 -34612520.74 0.3771 0.1960

Mercury -99473-01-31 02:08 J -34611060.54 -34611060.41 -34611060.27 0.3600 0.0198

Mercury -99472-08-16 11:16 J -34610497.09 -34610497.03 -34610496.96 0.3768 0.3064

Mercury -99468-08-16 01:40 J -34609036.55 -34609036.43 -34609036.30 0.3603 0.1138

Mercury -99462-03-02 00:42 J -34607012.57 -34607012.47 -34607012.37 0.3607 0.2373

Mercury -99457-09-14 23:16 J -34604988.54 -34604988.53 -34604988.51 0.3610 0.3568

Mercury -99454-06-09 21:49 J -34603990.60 -34603990.59 -34603990.58 0.3788 0.3756

Mercury -99449-12-23 16:04 J -34601966.91 -34601966.83 -34601966.76 0.3786 0.2821

Mercury -99443-07-09 10:32 J -34599943.16 -34599943.06 -34599942.97 0.3783 0.1860

Mercury -99437-01-23 05:01 J -34597919.40 -34597919.29 -34597919.18 0.3780 0.0866

Mercury -99432-08-07 23:59 J -34595895.62 -34595895.50 -34595895.39 0.3777 0.0184

Mercury -99428-08-07 01:54 J -34594435.51 -34594435.42 -34594435.32 0.3595 0.2485

Mercury -99426-02-21 18:56 J -34593871.81 -34593871.71 -34593871.60 0.3774 0.1215

Mercury -99422-02-21 02:08 J -34592411.54 -34592411.41 -34592411.29 0.3598 0.1105

Mercury -99421-09-06 14:23 J -34591847.99 -34591847.90 -34591847.81 0.3770 0.2294

Mercury -99417-09-06 01:54 J -34590387.55 -34590387.42 -34590387.29 0.3601 0.0250

Mercury -99415-03-23 09:49 J -34589824.13 -34589824.09 -34589824.04 0.3767 0.3408

Mercury -99411-03-23 01:11 J -34588363.57 -34588363.45 -34588363.33 0.3604 0.1521

Mercury -99406-10-06 23:59 J -34586339.58 -34586339.50 -34586339.41 0.3608 0.2749

Mercury -99397-01-14 19:54 J -34583317.71 -34583317.67 -34583317.63 0.3787 0.3452

Mercury -99392-07-30 14:08 J -34581293.99 -34581293.91 -34581293.83 0.3785 0.2514

Mercury -99386-02-13 08:37 J -34579270.24 -34579270.14 -34579270.04 0.3782 0.1545

Mercury -99381-08-29 03:20 J -34577246.47 -34577246.36 -34577246.25 0.3779 0.0548

Mercury -99377-08-28 01:11 J -34575786.48 -34575786.45 -34575786.42 0.3593 0.3474

Mercury -99375-03-14 22:18 J -34575222.68 -34575222.57 -34575222.46 0.3776 0.0486

Mercury -99371-03-14 01:40 J -34573762.54 -34573762.43 -34573762.32 0.3595 0.2049

Mercury -99370-09-28 17:30 J -34573198.88 -34573198.77 -34573198.67 0.3773 0.1547

Mercury -99366-09-28 01:40 J -34571738.56 -34571738.43 -34571738.29 0.3599 0.0683

Mercury -99364-04-13 12:42 J -34571175.05 -34571174.97 -34571174.89 0.3769 0.2631

Mercury -99360-04-13 01:25 J -34569714.57 -34569714.44 -34569714.31 0.3602 0.0647

Mercury -99359-10-28 08:23 J -34569151.15 -34569151.15 -34569151.14 0.3765 0.3748

Mercury -99355-10-28 00:42 J -34567690.58 -34567690.47 -34567690.36 0.3605 0.1908

Mercury -99349-05-12 23:30 J -34565666.58 -34565666.52 -34565666.46 0.3609 0.3114

Mercury -99341-08-20 17:59 J -34562644.81 -34562644.75 -34562644.69 0.3787 0.3155

Mercury -99335-03-06 12:28 J -34560621.07 -34560620.98 -34560620.89 0.3784 0.2206

Mercury -99330-09-20 06:56 J -34558597.32 -34558597.21 -34558597.11 0.3781 0.1234

Mercury -99324-04-05 01:40 J -34556573.54 -34556573.43 -34556573.32 0.3778 0.0226

Mercury -99320-04-04 01:11 J -34555113.53 -34555113.45 -34555113.38 0.3593 0.3023

Mercury -99319-10-19 20:37 J -34554549.75 -34554549.64 -34554549.53 0.3775 0.0807

Mercury -99315-10-19 01:25 J -34553089.56 -34553089.44 -34553089.32 0.3596 0.1614

Mercury -99313-05-04 15:49 J -34552525.94 -34552525.84 -34552525.74 0.3772 0.1874

Mercury -99309-05-04 01:25 J -34551065.57 -34551065.44 -34551065.30 0.3599 0.0258

Mercury -99308-11-18 11:16 J -34550502.10 -34550502.03 -34550501.96 0.3768 0.2968

Mercury -99304-11-18 00:56 J -34549041.59 -34549041.46 -34549041.33 0.3603 0.1045

Mercury -99298-06-03 23:59 J -34547017.60 -34547017.50 -34547017.39 0.3606 0.2289

Mercury -99293-12-17 22:47 J -34544993.58 -34544993.55 -34544993.52 0.3610 0.3478

Mercury -99290-09-11 22:04 J -34543995.59 -34543995.58 -34543995.58 0.3788 0.3778

Mercury -99284-03-27 16:04 J -34541971.90 -34541971.83 -34541971.76 0.3786 0.2854

Mercury -99279-10-11 10:32 J -34539948.15 -34539948.06 -34539947.96 0.3783 0.1898

Mercury -99273-04-26 05:16 J -34537924.39 -34537924.28 -34537924.18 0.3780 0.0921

Mercury -99268-11-09 23:59 J -34535900.61 -34535900.50 -34535900.39 0.3777 0.0109

Mercury -99264-11-09 00:56 J -34534440.55 -34534440.46 -34534440.37 0.3594 0.2571

Mercury -99262-05-26 18:56 J -34533876.81 -34533876.71 -34533876.60 0.3774 0.1147

Mercury -99258-05-26 01:11 J -34532416.57 -34532416.45 -34532416.32 0.3597 0.1183

Mercury -99257-12-09 14:23 J -34531852.99 -34531852.90 -34531852.81 0.3771 0.2209

Mercury -99253-12-09 01:11 J -34530392.58 -34530392.45 -34530392.32 0.3600 0.0164

Mercury -99251-06-25 09:49 J -34529829.14 -34529829.09 -34529829.04 0.3767 0.3310

Mercury -99247-06-25 00:28 J -34528368.60 -34528368.48 -34528368.36 0.3604 0.1440

Mercury -99241-01-08 23:30 J -34526344.60 -34526344.52 -34526344.43 0.3607 0.2663

Mercury -99233-04-17 20:08 J -34523322.70 -34523322.66 -34523322.62 0.3788 0.3476

Mercury -99228-11-01 14:23 J -34521298.98 -34521298.90 -34521298.82 0.3785 0.2546

Mercury -99222-05-18 08:52 J -34519275.23 -34519275.13 -34519275.03 0.3782 0.1587

Mercury -99217-12-01 03:35 J -34517251.46 -34517251.35 -34517251.24 0.3779 0.0603

Mercury -99213-11-30 00:13 J -34515791.50 -34515791.49 -34515791.47 0.3592 0.3553

Mercury -99211-06-16 22:18 J -34515227.68 -34515227.57 -34515227.45 0.3776 0.0436

Mercury -99207-06-16 00:42 J -34513767.57 -34513767.47 -34513767.36 0.3595 0.2132

Mercury -99206-12-31 17:30 J -34513203.87 -34513203.77 -34513203.67 0.3773 0.1469

Mercury -99202-12-31 00:56 J -34511743.59 -34511743.46 -34511743.32 0.3598 0.0761

Mercury -99200-07-16 12:56 J -34511180.05 -34511179.96 -34511179.88 0.3770 0.2547

Mercury -99196-07-16 00:42 J -34509719.60 -34509719.47 -34509719.34 0.3601 0.0569

Mercury -99194-01-30 08:23 J -34509156.17 -34509156.15 -34509156.12 0.3766 0.3649

Mercury -99190-01-29 23:59 J -34507695.61 -34507695.50 -34507695.38 0.3605 0.1824

Mercury -99185-08-14 23:01 J -34505671.61 -34505671.54 -34505671.47 0.3608 0.3028

Mercury -99177-11-22 18:13 J -34502649.80 -34502649.74 -34502649.68 0.3787 0.3177

Mercury -99171-06-08 12:42 J -34500626.06 -34500625.97 -34500625.89 0.3784 0.2243

Mercury -99166-12-23 07:11 J -34498602.31 -34498602.20 -34498602.10 0.3781 0.1278

Mercury -99160-07-08 01:54 J -34496578.53 -34496578.42 -34496578.31 0.3779 0.0296

Mercury -99156-07-07 00:13 J -34495118.56 -34495118.49 -34495118.42 0.3593 0.3099

Mercury -99154-01-21 20:52 J -34494554.75 -34494554.63 -34494554.52 0.3775 0.0755

Mercury -99150-01-21 00:42 J -34493094.59 -34493094.47 -34493094.35 0.3596 0.1693

Mercury -99149-08-06 15:49 J -34492530.94 -34492530.84 -34492530.74 0.3772 0.1798

Mercury -99145-08-06 00:42 J -34491070.60 -34491070.47 -34491070.33 0.3599 0.0341

Mercury -99143-02-20 11:16 J -34490507.10 -34490507.03 -34490506.95 0.3769 0.2879

Mercury -99139-02-20 00:13 J -34489046.62 -34489046.49 -34489046.36 0.3602 0.0957

Mercury -99134-09-05 23:30 J -34487022.62 -34487022.52 -34487022.42 0.3606 0.2200

Mercury -99128-03-21 22:18 J -34484998.61 -34484998.57 -34484998.53 0.3609 0.3378

Mercury -99120-06-29 16:32 J -34481976.88 -34481976.81 -34481976.74 0.3786 0.2878

Mercury -99114-01-13 10:47 J -34479953.14 -34479953.05 -34479952.95 0.3783 0.1935

Mercury -99109-07-29 05:16 J -34477929.38 -34477929.28 -34477929.17 0.3781 0.0976

Mercury -99103-02-12 00:13 J -34475905.60 -34475905.49 -34475905.38 0.3778 0.0090

Mercury -99099-02-10 23:59 J -34474445.59 -34474445.50 -34474445.41 0.3594 0.2660

Mercury -99098-08-28 19:11 J -34473881.81 -34473881.70 -34473881.59 0.3774 0.1065

Mercury -99094-08-28 00:28 J -34472421.61 -34472421.48 -34472421.35 0.3597 0.1262

Mercury -99092-03-13 14:23 J -34471857.99 -34471857.90 -34471857.81 0.3771 0.2121

Mercury -99088-03-13 00:13 J -34470397.62 -34470397.49 -34470397.35 0.3600 0.0095

Mercury -99087-09-27 09:49 J -34469834.15 -34469834.09 -34469834.03 0.3767 0.3205

Mercury -99083-09-26 23:44 J -34468373.63 -34468373.51 -34468373.38 0.3603 0.1349

Mercury -99077-04-11 22:47 J -34466349.64 -34466349.55 -34466349.45 0.3607 0.2567

Mercury -99069-07-20 20:23 J -34463327.69 -34463327.65 -34463327.61 0.3788 0.3496

Mercury -99063-02-03 14:37 J -34461303.97 -34461303.89 -34461303.81 0.3785 0.2576

Mercury -99058-08-20 08:52 J -34459280.22 -34459280.13 -34459280.03 0.3783 0.1642

Mercury -99052-03-05 03:35 J -34457256.46 -34457256.35 -34457256.24 0.3780 0.0657

Mercury -99047-09-18 22:32 J -34455232.68 -34455232.56 -34455232.45 0.3777 0.0376

Mercury -99043-09-17 23:59 J -34453772.61 -34453772.50 -34453772.40 0.3595 0.2219

Mercury -99041-04-03 17:30 J -34453208.87 -34453208.77 -34453208.66 0.3773 0.1384

Mercury -99037-04-03 00:13 J -34451748.62 -34451748.49 -34451748.36 0.3598 0.0850

Mercury -99036-10-18 12:42 J -34451185.05 -34451184.97 -34451184.88 0.3770 0.2449

Mercury -99032-10-17 23:59 J -34449724.63 -34449724.50 -34449724.37 0.3601 0.0467

Mercury -99030-05-04 08:23 J -34449161.19 -34449161.15 -34449161.12 0.3766 0.3538

Mercury -99026-05-03 23:16 J -34447700.64 -34447700.53 -34447700.41 0.3604 0.1731

Mercury -99021-11-16 22:18 J -34445676.64 -34445676.57 -34445676.49 0.3608 0.2927

Mercury -99012-02-24 18:28 J -34442654.78 -34442654.73 -34442654.67 0.3787 0.3203

Mercury -99007-09-10 12:42 J -34440631.05 -34440630.97 -34440630.88 0.3785 0.2282

Mercury -99001-03-26 07:11 J -34438607.30 -34438607.20 -34438607.09 0.3782 0.1329

99TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 99th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-98996-10-10 01:54 J	-34436583.53	-34436583.42	-34436583.31	0.3779	0.0345		
Mercury	-98992-10-08 23:01 J	-34435123.60	-34435123.54	-34435123.48	0.3593	0.3200		
Mercury	-98990-04-25 20:52 J	-34434559.74	-34434559.63	-34434559.52	0.3776	0.0669		
Mercury	-98986-04-24 23:44 J	-34433099.63	-34433099.51	-34433099.39	0.3596	0.1783		
Mercury	-98985-11-08 16:04 J	-34432535.94	-34432535.83	-34432535.73	0.3772	0.1712		
Mercury	-98981-11-07 23:59 J	-34431075.64	-34431075.50	-34431075.37	0.3599	0.0451		
Mercury	-98979-05-25 11:16 J	-34430512.10	-34430512.03	-34430511.95	0.3769	0.2779		
Mercury	-98975-05-24 23:30 J	-34429051.64	-34429051.52	-34429051.39	0.3602	0.0871		
Mercury	-98970-12-08 22:47 J	-34427027.65	-34427027.55	-34427027.44	0.3605	0.2108		
Mercury	-98964-06-23 21:49 J	-34425003.64	-34425003.59	-34425003.54	0.3609	0.3287		
Mercury	-98956-10-01 16:32 J	-34421981.87	-34421981.81	-34421981.74	0.3786	0.2913		
Mercury	-98950-04-17 11:01 J	-34419958.14	-34419958.04	-34419957.95	0.3784	0.1980		
Mercury	-98945-10-31 05:30 J	-34417934.38	-34417934.27	-34417934.16	0.3781	0.1019		

Mercury -98939-05-17 00:13 J -34415910.60 -34415910.49 -34415910.38 0.3778 0.0043

Mercury -98935-05-15 23:01 J -34414450.62 -34414450.54 -34414450.45 0.3594 0.2750

Mercury -98934-11-30 19:11 J -34413886.81 -34413886.70 -34413886.59 0.3775 0.0988

Mercury -98930-11-29 23:30 J -34412426.64 -34412426.52 -34412426.39 0.3596 0.1359

Mercury -98928-06-15 14:23 J -34411862.99 -34411862.90 -34411862.80 0.3771 0.2031

Mercury -98924-06-14 23:30 J -34410402.65 -34410402.52 -34410402.38 0.3600 0.0070

Mercury -98923-12-30 09:49 J -34409839.15 -34409839.09 -34409839.03 0.3768 0.3108

Mercury -98919-12-29 23:16 J -34408378.66 -34408378.53 -34408378.41 0.3603 0.1254

Mercury -98913-07-14 22:18 J -34406354.66 -34406354.57 -34406354.47 0.3606 0.2473

Mercury -98905-10-22 20:37 J -34403332.68 -34403332.64 -34403332.60 0.3788 0.3524

Mercury -98899-05-08 14:52 J -34401308.96 -34401308.88 -34401308.80 0.3785 0.2614

Mercury -98894-11-22 09:06 J -34399285.21 -34399285.12 -34399285.02 0.3783 0.1685

Mercury -98888-06-07 03:49 J -34397261.45 -34397261.34 -34397261.23 0.3780 0.0712

Mercury -98883-12-21 22:32 J -34395237.67 -34395237.56 -34395237.45 0.3777 0.0301

Mercury -98879-12-20 23:01 J -34393777.64 -34393777.54 -34393777.43 0.3594 0.2306

Mercury -98877-07-06 17:44 J -34393213.87 -34393213.76 -34393213.66 0.3774 0.1313

Mercury -98873-07-05 23:16 J -34391753.66 -34391753.53 -34391753.39 0.3597 0.0945

Mercury -98871-01-20 12:56 J -34391190.05 -34391189.96 -34391189.87 0.3770 0.2358

Mercury -98867-01-19 23:16 J -34389729.66 -34389729.53 -34389729.40 0.3601 0.0376

Mercury -98866-08-06 08:23 J -34389166.20 -34389166.15 -34389166.11 0.3767 0.3435

Mercury -98862-08-05 22:47 J -34387705.67 -34387705.55 -34387705.43 0.3604 0.1633

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Mercury -98848-05-29 18:42 J -34382659.77 -34382659.72 -34382659.66 0.3787 0.3233

Mercury -98843-12-13 12:56 J -34380636.04 -34380635.96 -34380635.87 0.3785 0.2319

Mercury -98837-06-28 07:25 J -34378612.29 -34378612.19 -34378612.08 0.3782 0.1376

Mercury -98831-01-12 02:08 J -34376588.52 -34376588.41 -34376588.30 0.3779 0.0409

Mercury -98827-01-10 22:18 J -34375128.63 -34375128.57 -34375128.52 0.3592 0.3284

Mercury -98826-07-28 20:52 J -34374564.74 -34374564.63 -34374564.52 0.3776 0.0608

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Mercury -98820-02-10 16:04 J -34372540.93 -34372540.83 -34372540.73 0.3773 0.1624

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Mercury -98815-08-27 11:16 J -34370517.11 -34370517.03 -34370516.95 0.3769 0.2678

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Mercury -98805-03-11 22:04 J -34367032.68 -34367032.58 -34367032.47 0.3605 0.1999

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Mercury -98786-07-20 11:16 J -34359963.12 -34359963.03 -34359962.94 0.3784 0.2022

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Mercury -98740-01-24 20:52 J -34343337.66 -34343337.63 -34343337.59 0.3788 0.3550

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Mercury -98714-03-24 22:04 J -34333782.68 -34333782.58 -34333782.48 0.3594 0.2407

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Mercury -98698-11-07 22:04 J -34327710.70 -34327710.58 -34327710.46 0.3604 0.1527

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Mercury -98684-08-31 18:56 J -34322664.76 -34322664.71 -34322664.65 0.3788 0.3267

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Mercury -98667-04-16 02:08 J -34316593.52 -34316593.41 -34316593.30 0.3779 0.0480

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Mercury -98652-05-14 22:18 J -34311085.70 -34311085.57 -34311085.44 0.3598 0.0631

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Mercury -98641-06-13 21:35 J -34307037.71 -34307037.60 -34307037.49 0.3605 0.1898

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Mercury -98627-04-07 17:01 J -34301991.85 -34301991.79 -34301991.72 0.3787 0.2986

Mercury -98622-10-22 11:30 J -34299968.12 -34299968.02 -34299967.93 0.3784 0.2074

Mercury -98616-05-07 05:59 J -34297944.36 -34297944.25 -34297944.15 0.3781 0.1142

Mercury -98611-11-21 00:28 J -34295920.59 -34295920.48 -34295920.36 0.3779 0.0201

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Mercury -98520-12-03 19:25 J -34262669.75 -34262669.69 -34262669.64 0.3788 0.3300

Mercury -98514-06-19 13:25 J -34260646.02 -34260645.94 -34260645.85 0.3785 0.2406

Mercury -98508-01-02 07:54 J -34258622.27 -34258622.17 -34258622.07 0.3783 0.1483

Mercury -98503-07-19 02:23 J -34256598.51 -34256598.40 -34256598.29 0.3780 0.0536

Mercury -98499-07-17 20:08 J -34255138.69 -34255138.66 -34255138.62 0.3592 0.3479

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Mercury -98486-03-03 11:30 J -34250527.11 -34250527.02 -34250526.94 0.3770 0.2481

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Mercury -98477-09-15 20:52 J -34247042.74 -34247042.63 -34247042.51 0.3604 0.1796

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Mercury -98463-07-10 17:30 J -34241996.84 -34241996.77 -34241996.71 0.3787 0.3016

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Mercury -98452-08-09 05:59 J -34237949.35 -34237949.25 -34237949.14 0.3782 0.1196

Mercury -98446-02-23 00:42 J -34235925.58 -34235925.47 -34235925.36 0.3779 0.0234

Mercury -98442-02-21 20:08 J -34234465.73 -34234465.66 -34234465.59 0.3593 0.3047

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Mercury -98435-03-24 14:37 J -34231877.99 -34231877.89 -34231877.79 0.3773 0.1756

Mercury -98431-03-23 21:06 J -34230417.75 -34230417.62 -34230417.48 0.3599 0.0339

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Mercury -98420-04-22 20:23 J -34226369.75 -34226369.65 -34226369.54 0.3605 0.2154

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Mercury -98406-02-14 15:35 J -34221323.92 -34221323.85 -34221323.78 0.3786 0.2734

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Mercury -98395-03-16 04:18 J -34217276.43 -34217276.32 -34217276.21 0.3781 0.0897

Mercury -98390-09-29 23:01 J -34215252.65 -34215252.54 -34215252.43 0.3778 0.0109

Mercury -98386-09-28 20:08 J -34213792.75 -34213792.66 -34213792.57 0.3594 0.2614

Mercury -98384-04-14 17:44 J -34213228.86 -34213228.76 -34213228.65 0.3775 0.1059

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Mercury -98379-10-29 12:56 J -34211205.05 -34211204.96 -34211204.86 0.3771 0.2060

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Mercury -98369-05-13 20:37 J -34207720.76 -34207720.64 -34207720.52 0.3603 0.1312

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Mercury -98339-10-21 02:37 J -34196603.50 -34196603.39 -34196603.28 0.3780 0.0615

Mercury -98333-05-05 21:20 J -34194579.72 -34194579.61 -34194579.50 0.3777 0.0370

Mercury -98329-05-04 20:08 J -34193119.77 -34193119.66 -34193119.55 0.3594 0.2188

Mercury -98328-11-19 16:18 J -34192555.93 -34192555.82 -34192555.72 0.3774 0.1354

Mercury -98324-11-18 20:37 J -34191095.77 -34191095.64 -34191095.51 0.3597 0.0844

Mercury -98322-06-05 11:30 J -34190532.11 -34190532.02 -34190531.94 0.3770 0.2374

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Mercury -98313-12-18 20:08 J -34187047.77 -34187047.66 -34187047.54 0.3604 0.1687

Mercury -98307-07-04 19:25 J -34185023.77 -34185023.69 -34185023.61 0.3607 0.2859

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Mercury -98293-04-27 11:59 J -34179978.09 -34179978.00 -34179977.92 0.3785 0.2174

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Mercury -98282-05-28 00:56 J -34175930.58 -34175930.46 -34175930.35 0.3779 0.0339

Mercury -98278-05-26 19:11 J -34174470.76 -34174470.70 -34174470.64 0.3592 0.3153

Mercury -98277-12-10 19:40 J -34173906.79 -34173906.68 -34173906.57 0.3776 0.0661

Mercury -98273-12-09 20:08 J -34172446.78 -34172446.66 -34172446.55 0.3595 0.1770

Mercury -98271-06-26 14:37 J -34171882.99 -34171882.89 -34171882.79 0.3773 0.1658

Mercury -98267-06-25 20:23 J -34170422.79 -34170422.65 -34170422.52 0.3598 0.0444

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Mercury -98261-01-09 20:23 J -34168398.78 -34168398.65 -34168398.52 0.3602 0.0832

Mercury -98260-07-26 05:30 J -34167835.28 -34167835.27 -34167835.26 0.3766 0.3738

Mercury -98256-07-25 19:54 J -34166374.78 -34166374.67 -34166374.57 0.3605 0.2048

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Mercury -98242-05-19 15:49 J -34161328.91 -34161328.84 -34161328.77 0.3787 0.2779

Mercury -98237-12-02 10:04 J -34159305.17 -34159305.08 -34159304.98 0.3784 0.1885

Mercury -98231-06-18 04:32 J -34157281.42 -34157281.31 -34157281.20 0.3781 0.0963

Mercury -98225-01-01 23:16 J -34155257.65 -34155257.53 -34155257.42 0.3778 0.0142

Mercury -98222-12-31 19:11 J -34153797.79 -34153797.70 -34153797.61 0.3593 0.2719

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Mercury -98216-07-16 19:54 J -34151773.79 -34151773.67 -34151773.54 0.3596 0.1354

Mercury -98214-01-31 13:11 J -34151210.05 -34151209.95 -34151209.86 0.3772 0.1968

Mercury -98210-01-30 20:08 J -34149749.80 -34149749.66 -34149749.53 0.3599 0.0059

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Mercury -98199-03-01 19:11 J -34145701.80 -34145701.70 -34145701.60 0.3606 0.2391

Mercury -98194-09-15 18:13 J -34143677.76 -34143677.74 -34143677.72 0.3609 0.3539

Mercury -98191-06-09 19:54 J -34142679.72 -34142679.67 -34142679.62 0.3788 0.3374

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Mercury -98174-01-23 02:52 J -34136608.49 -34136608.38 -34136608.28 0.3780 0.0688

Mercury -98169-08-07 21:20 J -34134584.72 -34134584.61 -34134584.49 0.3777 0.0301

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Mercury -98163-02-21 16:18 J -34132560.92 -34132560.82 -34132560.71 0.3774 0.1264

Mercury -98159-02-20 19:40 J -34131100.81 -34131100.68 -34131100.55 0.3597 0.0958

Mercury -98158-09-07 11:30 J -34130537.11 -34130537.02 -34130536.93 0.3771 0.2265

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Mercury -98143-10-06 18:42 J -34125028.80 -34125028.72 -34125028.64 0.3607 0.2740

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Mercury -98118-08-30 00:56 J -34115935.57 -34115935.46 -34115935.35 0.3780 0.0393

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Mercury -98107-09-28 14:37 J -34111887.99 -34111887.89 -34111887.78 0.3773 0.1558

Mercury -98103-09-27 19:25 J -34110427.82 -34110427.69 -34110427.55 0.3598 0.0565

Mercury -98101-04-13 09:49 J -34109864.17 -34109864.09 -34109864.00 0.3770 0.2574

Mercury -98097-04-12 19:25 J -34108403.82 -34108403.69 -34108403.56 0.3601 0.0712

Mercury -98096-10-28 05:16 J -34107840.31 -34107840.28 -34107840.25 0.3766 0.3610

Mercury -98092-10-27 18:56 J -34106379.82 -34106379.71 -34106379.60 0.3604 0.1919

Mercury -98086-05-13 18:13 J -34104355.81 -34104355.74 -34104355.67 0.3608 0.3082

Mercury -98083-02-04 22:04 J -34103357.60 -34103357.58 -34103357.56 0.3789 0.3684

Mercury -98078-08-21 16:04 J -34101333.90 -34101333.83 -34101333.76 0.3787 0.2828

Mercury -98072-03-06 10:18 J -34099310.16 -34099310.07 -34099309.98 0.3784 0.1942

Mercury -98067-09-20 04:47 J -34097286.41 -34097286.30 -34097286.20 0.3781 0.1045

Mercury -98061-04-04 23:16 J -34095262.64 -34095262.53 -34095262.42 0.3779 0.0096

Mercury -98057-04-03 18:13 J -34093802.83 -34093802.74 -34093802.66 0.3593 0.2840

Mercury -98056-10-19 17:59 J -34093238.86 -34093238.75 -34093238.64 0.3775 0.0876

Mercury -98052-10-18 18:56 J -34091778.83 -34091778.71 -34091778.59 0.3596 0.1479

Mercury -98050-05-05 13:11 J -34091215.05 -34091214.95 -34091214.86 0.3772 0.1861

Mercury -98046-05-04 19:11 J -34089754.83 -34089754.70 -34089754.56 0.3599 0.0198

Mercury -98045-11-18 08:23 J -34089191.22 -34089191.15 -34089191.08 0.3769 0.2874

Mercury -98041-11-17 19:11 J -34087730.83 -34087730.70 -34087730.58 0.3602 0.1081

Mercury -98035-06-03 18:42 J -34085706.83 -34085706.72 -34085706.62 0.3605 0.2277

Mercury -98030-12-18 17:44 J -34083682.80 -34083682.76 -34083682.72 0.3609 0.3419

Mercury -98027-09-11 20:08 J -34082684.70 -34082684.66 -34082684.62 0.3788 0.3418

Mercury -98021-03-27 14:08 J -34080660.99 -34080660.91 -34080660.83 0.3786 0.2554

Mercury -98016-10-11 08:23 J -34078637.25 -34078637.15 -34078637.05 0.3783 0.1667

Mercury -98010-04-27 02:51 J -34076613.49 -34076613.38 -34076613.27 0.3781 0.0752

Mercury -98005-11-09 21:35 J -34074589.71 -34074589.60 -34074589.49 0.3778 0.0194

Mercury -98001-11-08 18:13 J -34073129.84 -34073129.74 -34073129.64 0.3594 0.2420

98TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 98th millennium BCE.

PLANET	MAX- TRANSIT	C	START	MAX	END	SUNRAD	DEPTH	S
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TIME

Mercury -97999-05-26 16:32 J -34072565.92 -34072565.81 -34072565.71 0.3774 0.1171
Mercury -97995-05-25 18:56 J -34071105.84 -34071105.71 -34071105.58 0.3597 0.1080
Mercury -97994-12-10 11:30 J -34070542.11 -34070542.02 -34070541.92 0.3771 0.2163
Mercury -97990-12-09 19:11 J -34069081.84 -34069081.70 -34069081.57 0.3600 0.0252
Mercury -97988-06-25 06:56 J -34068518.27 -34068518.21 -34068518.15 0.3767 0.3183
Mercury -97984-06-24 18:42 J -34067057.84 -34067057.72 -34067057.60 0.3603 0.1445
Mercury -97978-01-08 18:13 J -34065033.83 -34065033.74 -34065033.65 0.3606 0.2625
Mercury -97970-04-18 18:13 J -34062011.80 -34062011.74 -34062011.68 0.3788 0.3148
Mercury -97965-11-01 12:27 J -34059988.07 -34059987.98 -34059987.90 0.3785 0.2283
Mercury -97959-05-18 06:42 J -34057964.32 -34057964.22 -34057964.12 0.3783 0.1381
Mercury -97954-12-02 01:11 J -34055940.56 -34055940.45 -34055940.34 0.3780 0.0462
Mercury -97950-11-30 17:01 J -34054480.83 -34054480.79 -34054480.74 0.3592 0.3381
Mercury -97948-06-16 19:54 J -34053916.78 -34053916.67 -34053916.56 0.3777 0.0487
Mercury -97944-06-15 17:59 J -34052456.86 -34052456.75 -34052456.63 0.3594 0.2006
Mercury -97943-12-31 14:51 J -34051892.99 -34051892.88 -34051892.78 0.3773 0.1462
Mercury -97939-12-30 18:42 J -34050432.85 -34050432.72 -34050432.59 0.3598 0.0676
Mercury -97937-07-16 10:03 J -34049869.17 -34049869.08 -34049869.00 0.3770 0.2464
Mercury -97933-07-15 18:42 J -34048408.85 -34048408.72 -34048408.59 0.3601 0.0595
Mercury -97931-01-30 05:15 J -34047845.32 -34047845.28 -34047845.23 0.3766 0.3492
Mercury -97927-01-29 18:27 J -34046384.85 -34046384.73 -34046384.62 0.3604 0.1806
Mercury -97922-08-15 17:44 J -34044360.84 -34044360.76 -34044360.69 0.3608 0.2966
Mercury -97919-05-09 22:18 J -34043362.58 -34043362.57 -34043362.55 0.3789 0.3725
Mercury -97914-11-23 16:18 J -34041338.89 -34041338.82 -34041338.75 0.3787 0.2878
Mercury -97908-06-08 10:32 J -34039315.15 -34039315.06 -34039314.97 0.3784 0.2003
Mercury -97903-12-23 05:01 J -34037291.40 -34037291.29 -34037291.19 0.3782 0.1111
Mercury -97897-07-07 23:30 J -34035267.63 -34035267.52 -34035267.41 0.3779 0.0178
Mercury -97893-07-06 17:15 J -34033807.86 -34033807.78 -34033807.71 0.3592 0.2954
Mercury -97891-01-21 18:13 J -34033243.85 -34033243.74 -34033243.63 0.3776 0.0779
Mercury -97887-01-20 17:59 J -34031783.87 -34031783.75 -34031783.62 0.3595 0.1594

Mercury -97886-08-07 13:11 J -34031220.05 -34031219.95 -34031219.85 0.3773 0.1758

Mercury -97882-08-06 18:27 J -34029759.86 -34029759.73 -34029759.59 0.3598 0.0289

Mercury -97880-02-20 08:23 J -34029196.22 -34029196.15 -34029196.07 0.3769 0.2763

Mercury -97876-02-19 18:27 J -34027735.86 -34027735.73 -34027735.60 0.3602 0.0962

Mercury -97871-09-05 17:59 J -34025711.86 -34025711.75 -34025711.65 0.3605 0.2156

Mercury -97865-03-21 17:01 J -34023687.84 -34023687.79 -34023687.74 0.3609 0.3287

Mercury -97863-12-14 20:23 J -34022689.69 -34022689.65 -34022689.60 0.3789 0.3459

Mercury -97857-06-29 14:37 J -34020665.97 -34020665.89 -34020665.82 0.3786 0.2609

Mercury -97851-01-13 08:37 J -34018642.23 -34018642.14 -34018642.04 0.3784 0.1731

Mercury -97846-07-30 03:06 J -34016618.48 -34016618.37 -34016618.26 0.3781 0.0821

Mercury -97840-02-11 21:49 J -34014594.70 -34014594.59 -34014594.48 0.3778 0.0136

Mercury -97836-02-10 17:15 J -34013134.88 -34013134.78 -34013134.69 0.3593 0.2537

Mercury -97835-08-28 16:32 J -34012570.92 -34012570.81 -34012570.70 0.3775 0.1066

Mercury -97831-08-27 17:59 J -34011110.88 -34011110.75 -34011110.62 0.3596 0.1191

Mercury -97829-03-13 11:44 J -34010547.11 -34010547.01 -34010546.92 0.3772 0.2060

Mercury -97825-03-12 18:13 J -34009086.88 -34009086.74 -34009086.61 0.3599 0.0110

Mercury -97824-09-27 06:56 J -34008523.28 -34008523.21 -34008523.15 0.3768 0.3060

Mercury -97820-09-26 17:59 J -34007062.87 -34007062.75 -34007062.62 0.3603 0.1323

Mercury -97814-04-12 17:30 J -34005038.87 -34005038.77 -34005038.68 0.3606 0.2497

Mercury -97806-07-21 18:27 J -34002016.78 -34002016.73 -34002016.67 0.3788 0.3194

Mercury -97800-02-03 12:42 J -33999993.06 -33999992.97 -33999992.89 0.3786 0.2335

Mercury -97795-08-20 06:56 J -33997969.31 -33997969.21 -33997969.11 0.3783 0.1452

Mercury -97789-03-05 01:25 J -33995945.55 -33995945.44 -33995945.33 0.3780 0.0542

Mercury -97785-03-03 16:03 J -33994485.86 -33994485.83 -33994485.81 0.3591 0.3509

Mercury -97784-09-18 19:54 J -33993921.78 -33993921.67 -33993921.55 0.3777 0.0418

Mercury -97780-09-17 17:15 J -33992461.89 -33992461.78 -33992461.67 0.3594 0.2125

Mercury -97778-04-04 14:51 J -33991897.98 -33991897.88 -33991897.77 0.3774 0.1359

Mercury -97774-04-03 17:44 J -33990437.89 -33990437.76 -33990437.63 0.3597 0.0806

Mercury -97773-10-18 10:03 J -33989874.17 -33989874.08 -33989873.99 0.3770 0.2347

Mercury -97769-10-17 17:59 J -33988413.89 -33988413.75 -33988413.62 0.3600 0.0472

Mercury -97767-05-04 05:15 J -33987850.32 -33987850.28 -33987850.23 0.3767 0.3365

Mercury -97763-05-03 17:44 J -33986389.88 -33986389.76 -33986389.65 0.3604 0.1680

Mercury -97758-11-17 16:47 J -33984365.87 -33984365.80 -33984365.72 0.3607 0.2834

Mercury -97755-08-11 22:47 J -33983367.56 -33983367.55 -33983367.55 0.3790 0.3770

Mercury -97749-02-25 16:32 J -33981343.87 -33981343.81 -33981343.74 0.3787 0.2931

Mercury -97744-09-10 10:47 J -33979320.14 -33979320.05 -33979319.96 0.3785 0.2067

Mercury -97738-03-27 05:01 J -33977296.39 -33977296.29 -33977296.18 0.3782 0.1179

Mercury -97733-10-09 23:30 J -33975272.63 -33975272.52 -33975272.40 0.3779 0.0300

Mercury -97729-10-08 16:03 J -33973812.90 -33973812.83 -33973812.76 0.3592 0.3081

Mercury -97727-04-25 18:27 J -33973248.85 -33973248.73 -33973248.62 0.3776 0.0699

Mercury -97723-04-24 17:01 J -33971788.91 -33971788.79 -33971788.67 0.3595 0.1720

Mercury -97722-11-09 13:11 J -33971225.05 -33971224.95 -33971224.84 0.3773 0.1655

Mercury -97718-11-08 17:30 J -33969764.90 -33969764.77 -33969764.63 0.3598 0.0420

Mercury -97716-05-25 08:23 J -33969201.23 -33969201.15 -33969201.07 0.3769 0.2644

Mercury -97712-05-24 17:30 J -33967740.90 -33967740.77 -33967740.63 0.3601 0.0840

Mercury -97711-12-09 03:49 J -33967177.36 -33967177.34 -33967177.31 0.3766 0.3665

Mercury -97707-12-08 17:15 J -33965716.89 -33965716.78 -33965716.67 0.3605 0.2028

Mercury -97701-06-23 16:18 J -33963692.88 -33963692.82 -33963692.76 0.3608 0.3164

Mercury -97698-03-18 20:51 J -33962694.67 -33962694.63 -33962694.60 0.3789 0.3507

Mercury -97693-10-01 14:37 J -33960670.96 -33960670.89 -33960670.81 0.3786 0.2667

Mercury -97687-04-17 08:51 J -33958647.22 -33958647.13 -33958647.03 0.3784 0.1796

Mercury -97682-11-01 03:20 J -33956623.47 -33956623.36 -33956623.25 0.3781 0.0903

Mercury -97676-05-16 21:49 J -33954599.70 -33954599.59 -33954599.48 0.3778 0.0085

Mercury -97672-05-15 16:03 J -33953139.92 -33953139.83 -33953139.73 0.3593 0.2664

Mercury -97671-11-30 16:47 J -33952575.91 -33952575.80 -33952575.70 0.3775 0.0978

Mercury -97667-11-29 17:01 J -33951115.92 -33951115.79 -33951115.66 0.3596 0.1321

Mercury -97665-06-15 11:44 J -33950552.11 -33950552.01 -33950551.92 0.3772 0.1943

Mercury -97661-06-14 17:15 J -33949091.91 -33949091.78 -33949091.64 0.3599 0.0099

Mercury -97660-12-30 06:56 J -33948528.28 -33948528.21 -33948528.14 0.3768 0.2942

Mercury -97656-12-29 17:15 J -33947067.90 -33947067.78 -33947067.65 0.3602 0.1197

Mercury -97650-07-15 16:47 J -33945043.90 -33945043.80 -33945043.70 0.3606 0.2370

Mercury -97644-01-28 15:49 J -33943019.87 -33943019.84 -33943019.81 0.3609 0.3491

Mercury -97642-10-23 18:42 J -33942021.77 -33942021.72 -33942021.66 0.3788 0.3249

Mercury -97636-05-08 12:56 J -33939998.05 -33939997.96 -33939997.88 0.3786 0.2397

Mercury -97631-11-22 07:11 J -33937974.30 -33937974.20 -33937974.10 0.3783 0.1523

Mercury -97625-06-07 01:39 J -33935950.54 -33935950.43 -33935950.32 0.3780 0.0636

Mercury -97620-12-21 20:08 J -33933926.77 -33933926.66 -33933926.55 0.3777 0.0317

Mercury -97616-12-20 16:18 J -33932466.93 -33932466.82 -33932466.72 0.3594 0.2250

Mercury -97614-07-07 15:06 J -33931902.98 -33931902.87 -33931902.77 0.3774 0.1258

Mercury -97610-07-06 16:47 J -33930442.93 -33930442.80 -33930442.66 0.3597 0.0934

Mercury -97608-01-20 10:03 J -33929879.17 -33929879.08 -33929878.99 0.3771 0.2236

Mercury -97604-01-19 17:15 J -33928418.92 -33928418.78 -33928418.65 0.3600 0.0358

Mercury -97603-08-06 05:30 J -33927855.33 -33927855.27 -33927855.22 0.3767 0.3241

Mercury -97599-08-05 17:01 J -33926394.91 -33926394.79 -33926394.67 0.3603 0.1553

Mercury -97593-02-19 16:18 J -33924370.91 -33924370.82 -33924370.73 0.3607 0.2704

Mercury -97585-05-29 17:01 J -33921348.86 -33921348.79 -33921348.73 0.3787 0.2984

Mercury -97580-12-13 11:01 J -33919325.13 -33919325.04 -33919324.95 0.3785 0.2126

Mercury -97574-06-29 05:15 J -33917301.38 -33917301.28 -33917301.17 0.3782 0.1253

Mercury -97568-01-11 23:44 J -33915277.62 -33915277.51 -33915277.40 0.3779 0.0362

Mercury -97564-01-10 15:06 J -33913817.93 -33913817.87 -33913817.81 0.3592 0.3202

Mercury -97563-07-28 18:27 J -33913253.84 -33913253.73 -33913253.62 0.3776 0.0594

Mercury -97559-07-27 16:03 J -33911793.94 -33911793.83 -33911793.71 0.3595 0.1847

Mercury -97557-02-11 13:25 J -33911230.04 -33911229.94 -33911229.84 0.3773 0.1545

Mercury -97553-02-10 16:47 J -33909769.94 -33909769.80 -33909769.67 0.3598 0.0548

Mercury -97552-08-27 08:37 J -33909206.23 -33909206.14 -33909206.06 0.3770 0.2528

Mercury -97548-08-26 16:47 J -33907745.93 -33907745.80 -33907745.66 0.3601 0.0713

Mercury -97546-03-13 03:49 J -33907182.37 -33907182.34 -33907182.30 0.3766 0.3538

Mercury -97542-03-12 16:32 J -33905721.92 -33905721.81 -33905721.70 0.3604 0.1892

Mercury -97537-09-25 15:49 J -33903697.91 -33903697.84 -33903697.77 0.3608 0.3036

Mercury -97534-06-20 21:06 J -33902699.66 -33902699.62 -33902699.59 0.3789 0.3552

Mercury -97528-01-03 15:06 J -33900675.95 -33900675.87 -33900675.80 0.3787 0.2717

Mercury -97523-07-20 09:06 J -33898652.21 -33898652.12 -33898652.02 0.3784 0.1864

Mercury -97517-02-03 03:35 J -33896628.46 -33896628.35 -33896628.24 0.3781 0.0976

Mercury -97512-08-18 22:03 J -33894604.69 -33894604.58 -33894604.47 0.3779 0.0067

Mercury -97508-08-17 15:06 J -33893144.95 -33893144.87 -33893144.78 0.3593 0.2788

Mercury -97506-03-04 16:47 J -33892580.91 -33892580.80 -33892580.69 0.3776 0.0876

Mercury -97502-03-03 16:03 J -33891120.96 -33891120.83 -33891120.71 0.3596 0.1456

Mercury -97501-09-17 11:44 J -33890557.11 -33890557.01 -33890556.91 0.3772 0.1827

Mercury -97497-09-16 16:32 J -33889096.95 -33889096.81 -33889096.67 0.3599 0.0164

Mercury -97495-04-03 06:56 J -33888533.28 -33888533.21 -33888533.13 0.3769 0.2819

Mercury -97491-04-02 16:32 J -33887072.94 -33887072.81 -33887072.68 0.3602 0.1060

Mercury -97486-10-17 16:03 J -33885048.93 -33885048.83 -33885048.73 0.3605 0.2233

Mercury -97480-05-02 15:20 J -33883024.91 -33883024.86 -33883024.82 0.3609 0.3358

Mercury -97477-01-25 19:11 J -33882026.75 -33882026.70 -33882026.65 0.3788 0.3295

Mercury -97472-08-10 13:11 J -33880003.03 -33880002.95 -33880002.87 0.3786 0.2456

Mercury -97466-02-24 07:25 J -33877979.29 -33877979.19 -33877979.09 0.3784 0.1591

Mercury -97461-09-09 01:39 J -33875955.54 -33875955.43 -33875955.32 0.3781 0.0713

Mercury -97455-03-25 20:23 J -33873931.76 -33873931.65 -33873931.54 0.3778 0.0218

Mercury -97451-03-24 15:06 J -33872471.97 -33872471.87 -33872471.77 0.3594 0.2389

Mercury -97450-10-09 15:06 J -33871907.98 -33871907.87 -33871907.76 0.3775 0.1150

Mercury -97446-10-08 15:49 J -33870447.97 -33870447.84 -33870447.71 0.3597 0.1070

Mercury -97444-04-24 10:03 J -33869884.17 -33869884.08 -33869883.98 0.3771 0.2118

Mercury -97440-04-23 16:18 J -33868423.96 -33868423.82 -33868423.69 0.3600 0.0207

Mercury -97439-11-08 05:30 J -33867860.34 -33867860.27 -33867860.21 0.3768 0.3108

Mercury -97435-11-07 16:03 J -33866399.95 -33866399.83 -33866399.71 0.3603 0.1412

Mercury -97429-05-23 15:35 J -33864375.94 -33864375.85 -33864375.76 0.3606 0.2569

Mercury -97421-08-31 17:15 J -33861353.85 -33861353.78 -33861353.72 0.3788 0.3043

Mercury -97415-03-17 11:15 J -33859330.12 -33859330.03 -33859329.94 0.3785 0.2193

Mercury -97410-10-01 05:30 J -33857306.37 -33857306.27 -33857306.17 0.3783 0.1327

Mercury -97404-04-15 23:59 J -33855282.61 -33855282.50 -33855282.39 0.3780 0.0432

Mercury -97400-04-14 13:54 J -33853822.96 -33853822.92 -33853822.87 0.3591 0.3339

Mercury -97399-10-30 18:42 J -33853258.83 -33853258.72 -33853258.61 0.3777 0.0500

Mercury -97395-10-29 15:06 J -33851798.98 -33851798.87 -33851798.76 0.3594 0.1987

Mercury -97393-05-15 13:25 J -33851235.04 -33851234.94 -33851234.83 0.3773 0.1436

Mercury -97389-05-14 15:49 J -33849774.97 -33849774.84 -33849774.71 0.3597 0.0680

Mercury -97388-11-29 08:37 J -33849211.23 -33849211.14 -33849211.05 0.3770 0.2403

Mercury -97384-11-28 16:03 J -33847750.96 -33847750.83 -33847750.70 0.3600 0.0570

Mercury -97382-06-15 03:49 J -33847187.38 -33847187.34 -33847187.29 0.3767 0.3402

Mercury -97378-06-14 15:49 J -33845726.96 -33845726.84 -33845726.73 0.3604 0.1759

Mercury -97373-12-28 15:06 J -33843702.94 -33843702.87 -33843702.79 0.3607 0.2903

Mercury -97370-09-22 21:20 J -33842704.64 -33842704.61 -33842704.58 0.3789 0.3605

Mercury -97364-04-07 15:20 J -33840680.93 -33840680.86 -33840680.79 0.3787 0.2781

Mercury -97359-10-22 09:20 J -33838657.20 -33838657.11 -33838657.01 0.3784 0.1935

Mercury -97353-05-07 03:49 J -33836633.45 -33836633.34 -33836633.24 0.3782 0.1063

Mercury -97348-11-20 22:18 J -33834609.68 -33834609.57 -33834609.46 0.3779 0.0177

Mercury -97344-11-19 14:08 J -33833149.99 -33833149.91 -33833149.83 0.3592 0.2927

Mercury -97342-06-06 17:01 J -33832585.90 -33832585.79 -33832585.68 0.3776 0.0773

Mercury -97338-06-05 15:06 J -33831125.99 -33831125.87 -33831125.75 0.3595 0.1587

Mercury -97337-12-20 11:59 J -33830562.10 -33830562.00 -33830561.90 0.3773 0.1721

Mercury -97333-12-19 15:35 J -33829101.98 -33829101.85 -33829101.71 0.3598 0.0322

Mercury -97331-07-06 06:56 J -33828538.28 -33828538.21 -33828538.13 0.3769 0.2698

Mercury -97327-07-05 15:49 J -33827077.97 -33827077.84 -33827077.71 0.3601 0.0932

Mercury -97325-01-20 02:23 J -33826514.42 -33826514.40 -33826514.38 0.3765 0.3696

Mercury -97321-01-19 15:20 J -33825053.96 -33825053.86 -33825053.75 0.3605 0.2103

Mercury -97316-08-04 14:37 J -33823029.94 -33823029.89 -33823029.83 0.3608 0.3224

Mercury -97313-04-28 19:25 J -33822031.74 -33822031.69 -33822031.64 0.3789 0.3351

Mercury -97308-11-12 13:25 J -33820008.02 -33820007.94 -33820007.86 0.3786 0.2522

Mercury -97302-05-29 07:39 J -33817984.28 -33817984.18 -33817984.08 0.3784 0.1668

Mercury -97297-12-12 01:54 J -33815960.53 -33815960.42 -33815960.31 0.3781 0.0793

Mercury -97291-06-27 20:37 J -33813936.76 -33813936.64 -33813936.53 0.3778 0.0179

Mercury -97287-06-26 14:08 J -33812477.01 -33812476.91 -33812476.81 0.3593 0.2519

Mercury -97285-01-11 15:20 J -33811912.97 -33811912.86 -33811912.75 0.3775 0.1050

Mercury -97281-01-10 15:06 J -33810453.00 -33810452.87 -33810452.74 0.3596 0.1195

Mercury -97280-07-27 10:18 J -33809889.17 -33809889.07 -33809888.98 0.3772 0.2002

Mercury -97276-07-26 15:35 J -33808428.99 -33808428.85 -33808428.72 0.3599 0.0129

Mercury -97274-02-10 05:30 J -33807865.34 -33807865.27 -33807865.20 0.3768 0.2982

Mercury -97270-02-09 15:20 J -33806404.98 -33806404.86 -33806404.73 0.3603 0.1283

Mercury -97265-08-25 15:06 J -33804380.97 -33804380.87 -33804380.78 0.3606 0.2438

Mercury -97259-03-11 14:08 J -33802356.94 -33802356.91 -33802356.89 0.3609 0.3534

Mercury -97257-12-03 17:30 J -33801358.83 -33801358.77 -33801358.71 0.3788 0.3097

Mercury -97251-06-19 11:30 J -33799335.10 -33799335.02 -33799334.93 0.3785 0.2264

Mercury -97245-01-03 05:44 J -33797311.36 -33797311.26 -33797311.16 0.3783 0.1403

Mercury -97240-07-19 00:13 J -33795287.60 -33795287.49 -33795287.38 0.3780 0.0517

Mercury -97236-07-17 12:56 J -33793827.99 -33793827.96 -33793827.93 0.3591 0.3471

Mercury -97234-02-01 18:56 J -33793263.83 -33793263.71 -33793263.60 0.3777 0.0417

Mercury -97230-01-31 14:08 J -33791804.02 -33791803.91 -33791803.80 0.3594 0.2116

Mercury -97229-08-17 13:39 J -33791240.04 -33791239.93 -33791239.83 0.3774 0.1325

Mercury -97225-08-16 14:51 J -33789780.01 -33789779.88 -33789779.74 0.3597 0.0822

Mercury -97223-03-03 08:37 J -33789216.23 -33789216.14 -33789216.05 0.3771 0.2288

Mercury -97219-03-02 15:06 J -33787756.00 -33787755.87 -33787755.73 0.3600 0.0437

Mercury -97218-09-17 03:49 J -33787192.39 -33787192.34 -33787192.28 0.3767 0.3267

Mercury -97214-09-16 15:06 J -33785731.99 -33785731.87 -33785731.75 0.3604 0.1624

Mercury -97208-04-01 14:23 J -33783707.98 -33783707.90 -33783707.81 0.3607 0.2756

Mercury -97206-12-25 21:49 J -33782709.62 -33782709.59 -33782709.57 0.3790 0.3656

Mercury -97200-07-10 15:35 J -33780685.92 -33780685.85 -33780685.78 0.3787 0.2841

Mercury -97194-01-24 09:49 J -33778662.19 -33778662.09 -33778662.00 0.3785 0.2007

Mercury -97189-08-09 04:03 J -33776638.44 -33776638.33 -33776638.23 0.3782 0.1143

Mercury -97183-02-22 22:32 J -33774614.67 -33774614.56 -33774614.45 0.3779 0.0281

Mercury -97179-02-21 12:56 J -33773155.03 -33773154.96 -33773154.89 0.3592 0.3067

Mercury -97178-09-08 17:01 J -33772590.90 -33772590.79 -33772590.68 0.3776 0.0667

Mercury -97174-09-07 14:08 J -33771131.03 -33771130.91 -33771130.79 0.3595 0.1721

Mercury -97172-03-24 11:59 J -33770567.10 -33770567.00 -33770566.90 0.3773 0.1604

Mercury -97168-03-23 14:37 J -33769107.02 -33769106.89 -33769106.75 0.3598 0.0455

Mercury -97167-10-08 07:11 J -33768543.29 -33768543.20 -33768543.12 0.3769 0.2569

Mercury -97163-10-07 14:51 J -33767083.01 -33767082.88 -33767082.75 0.3601 0.0788

Mercury -97161-04-23 02:23 J -33766519.43 -33766519.40 -33766519.36 0.3766 0.3553

Mercury -97157-04-22 14:37 J -33765059.00 -33765058.89 -33765058.78 0.3604 0.1957

Mercury -97152-11-06 13:54 J -33763034.99 -33763034.92 -33763034.85 0.3608 0.3075

Mercury -97149-07-31 19:39 J -33762036.72 -33762036.68 -33762036.63 0.3789 0.3409

Mercury -97143-02-14 13:39 J -33760013.00 -33760012.93 -33760012.85 0.3787 0.2588

Mercury -97138-08-31 07:54 J -33757989.27 -33757989.17 -33757989.08 0.3784 0.1747

Mercury -97132-03-16 02:08 J -33755965.52 -33755965.41 -33755965.30 0.3781 0.0875

Mercury -97127-09-29 20:37 J -33753941.75 -33753941.64 -33753941.53 0.3778 0.0067

Mercury -97123-09-28 13:11 J -33752482.05 -33752481.95 -33752481.86 0.3593 0.2661

Mercury -97121-04-14 15:20 J -33751917.97 -33751917.86 -33751917.75 0.3775 0.0940

Mercury -97117-04-13 14:08 J -33750458.04 -33750457.91 -33750457.79 0.3596 0.1345

Mercury -97116-10-29 10:18 J -33749894.17 -33749894.07 -33749893.97 0.3772 0.1881

Mercury -97112-10-28 14:37 J -33748434.03 -33748433.89 -33748433.76 0.3599 0.0111

Mercury -97110-05-15 05:30 J -33747870.34 -33747870.27 -33747870.20 0.3768 0.2849

Mercury -97106-05-14 14:37 J -33746410.02 -33746409.89 -33746409.76 0.3602 0.1136

Mercury -97101-11-27 14:08 J -33744386.01 -33744385.91 -33744385.80 0.3605 0.2293

Mercury -97095-06-13 13:25 J -33742361.98 -33742361.94 -33742361.90 0.3609 0.3392

Mercury -97092-03-07 17:44 J -33741363.81 -33741363.76 -33741363.70 0.3788 0.3159

Mercury -97087-09-21 11:44 J -33739340.09 -33739340.01 -33739339.92 0.3786 0.2337

Mercury -97081-04-06 05:59 J -33737316.35 -33737316.25 -33737316.15 0.3783 0.1484

Mercury -97076-10-21 00:27 J -33735292.59 -33735292.48 -33735292.37 0.3780 0.0621

Mercury -97070-05-06 18:56 J -33733268.82 -33733268.71 -33733268.60 0.3777 0.0290

Mercury -97066-05-05 13:11 J -33731809.06 -33731808.95 -33731808.84 0.3594 0.2259

Mercury -97065-11-19 13:39 J -33731245.03 -33731244.93 -33731244.82 0.3774 0.1214

Mercury -97061-11-18 13:54 J -33729785.05 -33729784.92 -33729784.79 0.3597 0.0963

Mercury -97059-06-05 08:51 J -33729221.23 -33729221.13 -33729221.04 0.3771 0.2166

Mercury -97055-06-04 14:23 J -33727761.03 -33727760.90 -33727760.77 0.3600 0.0286

Mercury -97054-12-20 04:03 J -33727197.39 -33727197.33 -33727197.27 0.3767 0.3134

Mercury -97050-12-19 14:23 J -33725737.02 -33725736.90 -33725736.78 0.3603 0.1482

Mercury -97044-07-04 13:54 J -33723713.01 -33723712.92 -33723712.83 0.3606 0.2620

Mercury -97041-03-28 22:03 J -33722714.60 -33722714.58 -33722714.56 0.3790 0.3713

Mercury -97036-10-12 15:49 J -33720690.90 -33720690.84 -33720690.77 0.3787 0.2908

Mercury -97030-04-28 09:49 J -33718667.18 -33718667.09 -33718666.99 0.3785 0.2085

Mercury -97025-11-11 04:18 J -33716643.43 -33716643.32 -33716643.22 0.3782 0.1235

Mercury -97019-05-27 22:32 J -33714619.67 -33714619.56 -33714619.45 0.3779 0.0359

Mercury -97015-05-26 11:59 J -33713160.06 -33713160.00 -33713159.94 0.3592 0.3209

Mercury -97014-12-11 17:15 J -33712595.89 -33712595.78 -33712595.67 0.3776 0.0559

Mercury -97010-12-10 13:11 J -33711136.07 -33711135.95 -33711135.83 0.3594 0.1867

Mercury -97008-06-26 12:13 J -33710572.10 -33710571.99 -33710571.89 0.3773 0.1493

Mercury -97004-06-25 13:54 J -33709112.06 -33709111.92 -33709111.79 0.3598 0.0590

Mercury -97002-01-10 07:11 J -33708548.28 -33708548.20 -33708548.11 0.3770 0.2442

97TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 97th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-96998-01-09 14:08 J	-33707088.04	-33707087.91	-33707087.78	0.3601	0.0645		
Mercury	-96997-07-26 02:37 J	-33706524.44	-33706524.39	-33706524.35	0.3766	0.3422		
Mercury	-96993-07-25 13:54 J	-33705064.03	-33705063.92	-33705063.80	0.3604	0.1820		

Mercury -96987-02-08 13:25 J -33703040.02 -33703039.94 -33703039.87 0.3608 0.2938

Mercury -96985-11-02 20:08 J -33702041.70 -33702041.66 -33702041.62 0.3789 0.3469

Mercury -96979-05-19 13:54 J -33700017.99 -33700017.92 -33700017.84 0.3787 0.2659

Mercury -96974-12-03 08:08 J -33697994.26 -33697994.16 -33697994.07 0.3784 0.1821

Mercury -96968-06-18 02:23 J -33695970.51 -33695970.40 -33695970.29 0.3781 0.0963

Mercury -96962-01-01 20:51 J -33693946.74 -33693946.63 -33693946.52 0.3779 0.0091

Mercury -96959-12-31 12:13 J -33692487.08 -33692486.99 -33692486.91 0.3593 0.2803

Mercury -96957-07-17 15:35 J -33691922.96 -33691922.85 -33691922.74 0.3776 0.0829

Mercury -96953-07-16 13:11 J -33690463.08 -33690462.95 -33690462.83 0.3595 0.1484

Mercury -96951-01-31 10:32 J -33689899.16 -33689899.06 -33689898.96 0.3772 0.1765

Mercury -96947-01-30 13:39 J -33688439.06 -33688438.93 -33688438.79 0.3599 0.0234

Mercury -96946-08-17 05:30 J -33687875.34 -33687875.27 -33687875.19 0.3769 0.2724

Mercury -96942-08-16 13:54 J -33686415.05 -33686414.92 -33686414.79 0.3602 0.0993

Mercury -96940-03-02 00:56 J -33685851.47 -33685851.46 -33685851.44 0.3765 0.3704

Mercury -96936-03-01 13:25 J -33684391.04 -33684390.94 -33684390.83 0.3605 0.2148

Mercury -96931-09-15 12:56 J -33682367.02 -33682366.96 -33682366.91 0.3609 0.3253

Mercury -96928-06-09 18:13 J -33681368.80 -33681368.74 -33681368.69 0.3788 0.3221

Mercury -96923-12-24 12:13 J -33679345.08 -33679344.99 -33679344.91 0.3786 0.2407

Mercury -96917-07-09 06:13 J -33677321.34 -33677321.24 -33677321.14 0.3783 0.1566

Mercury -96911-01-23 00:42 J -33675297.58 -33675297.47 -33675297.36 0.3781 0.0708

Mercury -96906-08-08 19:11 J -33673273.81 -33673273.70 -33673273.59 0.3778 0.0190

Mercury -96902-08-07 12:13 J -33671814.09 -33671813.99 -33671813.89 0.3593 0.2403

Mercury -96900-02-21 13:54 J -33671250.03 -33671249.92 -33671249.81 0.3775 0.1100

Mercury -96896-02-20 12:56 J -33669790.09 -33669789.96 -33669789.83 0.3596 0.1112

Mercury -96895-09-07 08:51 J -33669226.23 -33669226.13 -33669226.04 0.3771 0.2034

Mercury -96891-09-06 13:39 J -33667766.07 -33667765.93 -33667765.80 0.3599 0.0176

Mercury -96889-03-23 04:03 J -33667202.40 -33667202.33 -33667202.26 0.3768 0.3000

Mercury -96885-03-22 13:25 J -33665742.06 -33665741.94 -33665741.81 0.3603 0.1328

Mercury -96880-10-06 13:11 J -33663718.05 -33663717.95 -33663717.86 0.3606 0.2472

Mercury -96877-06-30 22:18 J -33662719.57 -33662719.57 -33662719.56 0.3790 0.3770

Mercury -96874-04-22 12:13 J -33661694.01 -33661693.99 -33661693.97 0.3610 0.3554

Mercury -96871-01-14 16:18 J -33660695.89 -33660695.82 -33660695.76 0.3788 0.2971

Mercury -96866-07-31 10:18 J -33658672.16 -33658672.07 -33658671.98 0.3785 0.2152

Mercury -96860-02-13 04:32 J -33656648.42 -33656648.31 -33656648.21 0.3783 0.1312

Mercury -96855-08-29 22:47 J -33654624.66 -33654624.55 -33654624.44 0.3780 0.0446

Mercury -96851-08-28 11:01 J -33653165.09 -33653165.04 -33653165.00 0.3591 0.3351

Mercury -96849-03-14 17:30 J -33652600.88 -33652600.77 -33652600.66 0.3777 0.0460

Mercury -96845-03-13 11:59 J -33651141.11 -33651141.00 -33651140.88 0.3594 0.2026

Mercury -96844-09-28 12:13 J -33650577.09 -33650576.99 -33650576.89 0.3774 0.1368

Mercury -96840-09-27 12:56 J -33649117.09 -33649116.96 -33649116.82 0.3597 0.0733

Mercury -96838-04-14 07:11 J -33648553.29 -33648553.20 -33648553.11 0.3770 0.2312

Mercury -96834-04-13 13:11 J -33647093.08 -33647092.95 -33647092.81 0.3600 0.0495

Mercury -96833-10-28 02:23 J -33646529.45 -33646529.40 -33646529.34 0.3767 0.3279

Mercury -96829-10-27 13:11 J -33645069.07 -33645068.95 -33645068.83 0.3604 0.1664

Mercury -96823-05-13 12:42 J -33643045.05 -33643044.97 -33643044.89 0.3607 0.2787

Mercury -96820-02-04 20:23 J -33642046.68 -33642046.65 -33642046.61 0.3789 0.3526

Mercury -96815-08-21 14:23 J -33640022.98 -33640022.90 -33640022.83 0.3787 0.2729

Mercury -96809-03-06 08:23 J -33637999.24 -33637999.15 -33637999.06 0.3785 0.1898

Mercury -96804-09-20 02:37 J -33635975.50 -33635975.39 -33635975.29 0.3782 0.1056

Mercury -96798-04-05 21:06 J -33633951.73 -33633951.62 -33633951.51 0.3779 0.0188

Mercury -96794-04-04 11:01 J -33632492.12 -33632492.04 -33632491.97 0.3592 0.2958

Mercury -96793-10-19 15:35 J -33631927.96 -33631927.85 -33631927.74 0.3776 0.0728

Mercury -96789-10-18 11:59 J -33630468.12 -33630468.00 -33630467.87 0.3595 0.1642

Mercury -96787-05-05 10:32 J -33629904.16 -33629904.06 -33629903.96 0.3773 0.1638

Mercury -96783-05-04 12:42 J -33628444.10 -33628443.97 -33628443.83 0.3598 0.0391

Mercury -96782-11-19 05:44 J -33627880.35 -33627880.26 -33627880.18 0.3769 0.2586

Mercury -96778-11-18 12:56 J -33626420.09 -33626419.96 -33626419.83 0.3601 0.0838

Mercury -96776-06-04 00:56 J -33625856.49 -33625856.46 -33625856.42 0.3766 0.3557

Mercury -96772-06-03 12:56 J -33624396.07 -33624395.96 -33624395.85 0.3605 0.1999

Mercury -96767-12-18 12:13 J -33622372.06 -33622371.99 -33622371.93 0.3608 0.3101

Mercury -96764-09-11 18:27 J -33621373.78 -33621373.73 -33621373.68 0.3789 0.3287

Mercury -96758-03-28 12:27 J -33619350.06 -33619349.98 -33619349.90 0.3786 0.2481

Mercury -96753-10-11 06:27 J -33617326.33 -33617326.23 -33617326.13 0.3784 0.1651

Mercury -96747-04-27 00:42 J -33615302.57 -33615302.47 -33615302.36 0.3781 0.0813

Mercury -96742-11-10 19:25 J -33613278.81 -33613278.69 -33613278.58 0.3778 0.0168

Mercury -96738-11-09 11:01 J -33611819.14 -33611819.04 -33611818.95 0.3593 0.2563

Mercury -96736-05-26 14:08 J -33611255.02 -33611254.91 -33611254.81 0.3775 0.0996

Mercury -96732-05-25 12:13 J -33609795.12 -33609794.99 -33609794.87 0.3596 0.1265

Mercury -96731-12-10 08:51 J -33609231.22 -33609231.13 -33609231.03 0.3772 0.1912

Mercury -96727-12-09 12:42 J -33607771.11 -33607770.97 -33607770.84 0.3599 0.0059

Mercury -96725-06-25 04:03 J -33607207.40 -33607207.33 -33607207.26 0.3768 0.2861

Mercury -96721-06-24 12:42 J -33605747.09 -33605746.97 -33605746.84 0.3602 0.1181

Mercury -96715-01-08 12:27 J -33603723.08 -33603722.98 -33603722.88 0.3606 0.2321

Mercury -96710-07-25 11:44 J -33601699.05 -33601699.01 -33601698.97 0.3609 0.3409

Mercury -96707-04-18 16:32 J -33600700.87 -33600700.81 -33600700.75 0.3788 0.3044

Mercury -96702-11-02 10:32 J -33598677.15 -33598677.06 -33598676.97 0.3786 0.2233

Mercury -96696-05-18 04:47 J -33596653.41 -33596653.30 -33596653.20 0.3783 0.1406

Mercury -96691-12-01 23:01 J -33594629.65 -33594629.54 -33594629.43 0.3780 0.0540

Mercury -96687-11-30 09:49 J -33593170.12 -33593170.09 -33593170.07 0.3591 0.3506

Mercury -96685-06-16 17:30 J -33592605.88 -33592605.77 -33592605.66 0.3777 0.0364

Mercury -96681-06-15 11:01 J -33591146.15 -33591146.04 -33591145.93 0.3594 0.2174

Mercury -96680-12-31 12:27 J -33590582.09 -33590581.98 -33590581.88 0.3774 0.1258

Mercury -96676-12-30 11:59 J -33589122.13 -33589122.00 -33589121.86 0.3597 0.0889

Mercury -96674-07-17 07:25 J -33588558.28 -33588558.19 -33588558.10 0.3771 0.2183

Mercury -96670-07-16 12:27 J -33587098.12 -33587097.98 -33587097.85 0.3600 0.0342

Mercury -96668-01-30 02:37 J -33586534.45 -33586534.39 -33586534.33 0.3767 0.3139

Mercury -96664-01-29 12:27 J -33585074.10 -33585073.98 -33585073.86 0.3603 0.1518

Mercury -96659-08-15 11:59 J -33583050.09 -33583050.00 -33583049.91 0.3607 0.2639

Mercury -96656-05-09 20:37 J -33582051.67 -33582051.64 -33582051.60 0.3789 0.3594

Mercury -96651-11-23 14:37 J -33580027.96 -33580027.89 -33580027.82 0.3787 0.2800

Mercury -96645-06-08 08:37 J -33578004.23 -33578004.14 -33578004.05 0.3785 0.1982

Mercury -96640-12-23 02:51 J -33575980.48 -33575980.38 -33575980.27 0.3782 0.1143

Mercury -96634-07-08 21:20 J -33573956.72 -33573956.61 -33573956.50 0.3779 0.0290

Mercury -96630-07-07 09:49 J -33572497.15 -33572497.09 -33572497.02 0.3592 0.3106

Mercury -96628-01-21 15:49 J -33571932.95 -33571932.84 -33571932.73 0.3776 0.0618

Mercury -96624-01-20 11:15 J -33570473.15 -33570473.03 -33570472.91 0.3595 0.1788

Mercury -96623-08-07 10:47 J -33569909.15 -33569909.05 -33569908.95 0.3773 0.1520

Mercury -96619-08-06 11:59 J -33568449.14 -33568449.00 -33568448.87 0.3598 0.0520

Mercury -96617-02-21 05:44 J -33567885.34 -33567885.26 -33567885.17 0.3770 0.2455

Mercury -96613-02-20 12:13 J -33566425.12 -33566424.99 -33566424.86 0.3601 0.0688

Mercury -96612-09-06 00:56 J -33565861.50 -33565861.46 -33565861.41 0.3766 0.3413

Mercury -96608-09-05 12:13 J -33564401.11 -33564400.99 -33564400.88 0.3604 0.1849

Mercury -96602-03-22 11:30 J -33562377.09 -33562377.02 -33562376.95 0.3608 0.2943

Mercury -96600-12-14 18:42 J -33561378.76 -33561378.72 -33561378.67 0.3789 0.3354

Mercury -96594-06-30 12:42 J -33559355.05 -33559354.97 -33559354.89 0.3787 0.2555

Mercury -96588-01-13 06:42 J -33557331.31 -33557331.22 -33557331.12 0.3784 0.1739

Mercury -96583-07-30 01:11 J -33555307.56 -33555307.45 -33555307.35 0.3781 0.0896

Mercury -96577-02-12 19:39 J -33553283.80 -33553283.68 -33553283.57 0.3778 0.0160

Mercury -96573-02-11 10:03 J -33551824.17 -33551824.08 -33551823.99 0.3593 0.2713

Mercury -96572-08-28 14:08 J -33551260.02 -33551259.91 -33551259.80 0.3775 0.0870

Mercury -96568-08-27 11:15 J -33549800.16 -33549800.03 -33549799.91 0.3596 0.1410

Mercury -96566-03-14 09:06 J -33549236.22 -33549236.12 -33549236.02 0.3772 0.1785

Mercury -96562-03-13 11:44 J -33547776.15 -33547776.01 -33547775.88 0.3599 0.0174

Mercury -96561-09-27 04:03 J -33547212.40 -33547212.33 -33547212.25 0.3769 0.2723

Mercury -96557-09-26 11:59 J -33545752.13 -33545752.00 -33545751.87 0.3602 0.1029

Mercury -96555-04-12 23:30 J -33545188.54 -33545188.52 -33545188.50 0.3765 0.3687

Mercury -96551-04-12 11:44 J -33543728.12 -33543728.01 -33543727.91 0.3605 0.2164

Mercury -96546-10-27 11:01 J -33541704.10 -33541704.04 -33541703.99 0.3609 0.3250

Mercury -96543-07-21 16:47 J -33540705.86 -33540705.80 -33540705.74 0.3788 0.3113

Mercury -96537-02-04 10:47 J -33538682.13 -33538682.05 -33538681.96 0.3786 0.2310

Mercury -96532-08-20 05:01 J -33536658.39 -33536658.29 -33536658.19 0.3783 0.1493

Mercury -96526-03-05 23:15 J -33534634.64 -33534634.53 -33534634.42 0.3781 0.0637

Mercury -96521-09-18 17:44 J -33532610.87 -33532610.76 -33532610.65 0.3778 0.0231

Mercury -96517-09-17 10:03 J -33531151.18 -33531151.08 -33531150.97 0.3594 0.2325

Mercury -96515-04-04 12:27 J -33530587.09 -33530586.98 -33530586.87 0.3775 0.1132

Mercury -96511-04-03 11:01 J -33529127.17 -33529127.04 -33529126.91 0.3596 0.1049

Mercury -96510-10-19 07:25 J -33528563.28 -33528563.19 -33528563.10 0.3771 0.2048

Mercury -96506-10-18 11:30 J -33527103.15 -33527103.02 -33527102.88 0.3600 0.0190

Mercury -96504-05-04 02:37 J -33526539.46 -33526539.39 -33526539.32 0.3768 0.2991

Mercury -96500-05-03 11:44 J -33525079.14 -33525079.01 -33525078.89 0.3603 0.1362

Mercury -96495-11-17 11:15 J -33523055.13 -33523055.03 -33523054.94 0.3606 0.2476

Mercury -96492-08-11 21:06 J -33522056.65 -33522056.62 -33522056.60 0.3790 0.3656

Mercury -96489-06-02 10:32 J -33521031.08 -33521031.06 -33521031.04 0.3610 0.3548

Mercury -96486-02-25 14:51 J -33520032.95 -33520032.88 -33520032.81 0.3788 0.2874

Mercury -96481-09-10 08:51 J -33518009.22 -33518009.13 -33518009.04 0.3785 0.2071

Mercury -96475-03-27 03:06 J -33515985.47 -33515985.37 -33515985.27 0.3783 0.1237

Mercury -96470-10-10 21:20 J -33513961.72 -33513961.61 -33513961.50 0.3780 0.0415

Mercury -96466-10-09 08:37 J -33512502.19 -33512502.14 -33512502.08 0.3592 0.3270

Mercury -96464-04-25 16:03 J -33511937.94 -33511937.83 -33511937.72 0.3777 0.0491

Mercury -96460-04-24 10:03 J -33510478.19 -33510478.08 -33510477.96 0.3594 0.1948

Mercury -96459-11-09 10:47 J -33509914.15 -33509914.05 -33509913.94 0.3773 0.1390

Mercury -96455-11-08 11:01 J -33508454.18 -33508454.04 -33508453.91 0.3597 0.0696

Mercury -96453-05-25 05:44 J -33507890.34 -33507890.26 -33507890.17 0.3770 0.2320

Mercury -96449-05-24 11:30 J -33506430.16 -33506430.02 -33506429.89 0.3600 0.0540

Mercury -96448-12-09 01:11 J -33505866.51 -33505866.45 -33505866.40 0.3766 0.3267

Mercury -96444-12-08 11:15 J -33504406.15 -33504406.03 -33504405.91 0.3604 0.1685

Mercury -96438-06-24 10:47 J -33502382.13 -33502382.05 -33502381.97 0.3607 0.2789

Mercury -96435-03-18 19:11 J -33501383.75 -33501383.70 -33501383.66 0.3789 0.3421

Mercury -96430-10-02 12:56 J -33499360.04 -33499359.96 -33499359.88 0.3787 0.2635

Mercury -96424-04-17 06:56 J -33497336.30 -33497336.21 -33497336.11 0.3784 0.1829

Mercury -96419-11-01 01:11 J -33495312.55 -33495312.45 -33495312.34 0.3782 0.0998

Mercury -96413-05-16 19:39 J -33493288.79 -33493288.68 -33493288.57 0.3779 0.0141

Mercury -96409-05-15 08:51 J -33491829.21 -33491829.13 -33491829.05 0.3592 0.2875

Mercury -96408-11-30 14:23 J -33491265.01 -33491264.90 -33491264.79 0.3776 0.0751

Mercury -96404-11-29 10:03 J -33489805.20 -33489805.08 -33489804.95 0.3595 0.1574

Mercury -96402-06-16 09:06 J -33489241.22 -33489241.12 -33489241.02 0.3772 0.1657

Mercury -96398-06-15 10:47 J -33487781.18 -33487781.05 -33487780.91 0.3598 0.0337

Mercury -96397-12-30 04:18 J -33487217.40 -33487217.32 -33487217.24 0.3769 0.2586

Mercury -96393-12-29 11:15 J -33485757.16 -33485757.03 -33485756.90 0.3601 0.0873

Mercury -96391-07-15 23:30 J -33485193.55 -33485193.52 -33485193.48 0.3765 0.3539

Mercury -96387-07-15 11:01 J -33483733.15 -33483733.04 -33483732.93 0.3605 0.2008

Mercury -96381-01-29 10:18 J -33481709.13 -33481709.07 -33481709.00 0.3608 0.3099

Mercury -96379-10-23 17:15 J -33480710.84 -33480710.78 -33480710.73 0.3788 0.3189

Mercury -96373-05-08 11:01 J -33478687.12 -33478687.04 -33478686.95 0.3786 0.2396

Mercury -96368-11-22 05:15 J -33476663.38 -33476663.28 -33476663.18 0.3784 0.1583

Mercury -96362-06-07 23:30 J -33474639.63 -33474639.52 -33474639.41 0.3781 0.0739

Mercury -96357-12-21 17:59 J -33472615.86 -33472615.75 -33472615.64 0.3778 0.0125

Mercury -96353-12-20 09:06 J -33471156.22 -33471156.12 -33471156.02 0.3593 0.2485

Mercury -96351-07-07 12:42 J -33470592.08 -33470591.97 -33470591.86 0.3775 0.1009

Mercury -96347-07-06 10:03 J -33469132.21 -33469132.08 -33469131.95 0.3596 0.1206

Mercury -96345-01-21 07:39 J -33468568.28 -33468568.18 -33468568.09 0.3771 0.1925

Mercury -96341-01-20 10:47 J -33467108.19 -33467108.05 -33467107.91 0.3599 0.0027

Mercury -96340-08-06 02:37 J -33466544.46 -33466544.39 -33466544.31 0.3768 0.2855

Mercury -96336-08-05 10:47 J -33465084.17 -33465084.05 -33465083.92 0.3602 0.1208

Mercury -96330-02-19 10:32 J -33463060.16 -33463060.06 -33463059.96 0.3606 0.2324

Mercury -96328-11-13 21:20 J -33462061.62 -33462061.61 -33462061.59 0.3790 0.3727

Mercury -96325-09-04 09:49 J -33461036.13 -33461036.09 -33461036.04 0.3609 0.3396

Mercury -96322-05-30 15:20 J -33460037.93 -33460037.86 -33460037.80 0.3788 0.2950

Mercury -96317-12-13 09:20 J -33458014.20 -33458014.11 -33458014.03 0.3785 0.2159

Mercury -96311-06-29 03:20 J -33455990.46 -33455990.36 -33455990.26 0.3783 0.1333

Mercury -96305-01-12 21:49 J -33453966.70 -33453966.59 -33453966.49 0.3780 0.0513

Mercury -96301-01-11 07:39 J -33452507.22 -33452507.18 -33452507.14 0.3591 0.3426

Mercury -96300-07-28 16:18 J -33451942.93 -33451942.82 -33451942.71 0.3777 0.0384

Mercury -96296-07-27 09:06 J -33450483.23 -33450483.12 -33450483.01 0.3594 0.2105

Mercury -96294-02-11 11:01 J -33449919.15 -33449919.04 -33449918.94 0.3774 0.1269

Mercury -96290-02-10 10:03 J -33448459.21 -33448459.08 -33448458.95 0.3597 0.0844

Mercury -96289-08-27 05:59 J -33447895.34 -33447895.25 -33447895.16 0.3771 0.2183

Mercury -96285-08-26 10:32 J -33446435.19 -33446435.06 -33446434.92 0.3600 0.0374

Mercury -96283-03-13 01:11 J -33445871.51 -33445871.45 -33445871.39 0.3767 0.3121

Mercury -96279-03-12 10:32 J -33444411.18 -33444411.06 -33444410.94 0.3604 0.1521

Mercury -96274-09-26 10:03 J -33442387.16 -33442387.08 -33442386.99 0.3607 0.2636

Mercury -96271-06-20 19:25 J -33441388.73 -33441388.69 -33441388.65 0.3789 0.3493

Mercury -96265-01-04 13:25 J -33439365.02 -33439364.94 -33439364.87 0.3787 0.2714

Mercury -96260-07-20 07:25 J -33437341.29 -33437341.19 -33437341.10 0.3785 0.1914

Mercury -96254-02-03 01:39 J -33435317.54 -33435317.43 -33435317.33 0.3782 0.1096

Mercury -96249-08-18 19:54 J -33433293.78 -33433293.67 -33433293.56 0.3779 0.0243

Mercury -96245-08-17 07:54 J -33431834.24 -33431834.17 -33431834.10 0.3592 0.3035

Mercury -96243-03-04 14:37 J -33431270.00 -33431269.89 -33431269.78 0.3776 0.0643

Mercury -96239-03-03 09:06 J -33429810.24 -33429810.12 -33429810.00 0.3595 0.1741

Mercury -96238-09-18 09:20 J -33429246.21 -33429246.11 -33429246.01 0.3773 0.1524

Mercury -96234-09-17 10:03 J -33427786.22 -33427786.08 -33427785.95 0.3598 0.0493

Mercury -96232-04-03 04:18 J -33427222.40 -33427222.32 -33427222.23 0.3770 0.2445

Mercury -96228-04-02 10:18 J -33425762.20 -33425762.07 -33425761.94 0.3601 0.0700

Mercury -96227-10-17 23:30 J -33425198.56 -33425198.52 -33425198.47 0.3766 0.3386

Mercury -96223-10-17 10:18 J -33423738.19 -33423738.07 -33423737.96 0.3604 0.1846

Mercury -96217-05-02 09:35 J -33421714.17 -33421714.10 -33421714.02 0.3608 0.2932

Mercury -96214-01-25 17:30 J -33420715.82 -33420715.77 -33420715.72 0.3789 0.3258

Mercury -96209-08-10 11:30 J -33418692.10 -33418692.02 -33418691.94 0.3786 0.2480

Mercury -96203-02-24 05:30 J -33416668.37 -33416668.27 -33416668.17 0.3784 0.1670

Mercury -96198-09-09 23:44 J -33414644.62 -33414644.51 -33414644.40 0.3781 0.0848

Mercury -96192-03-25 18:13 J -33412620.85 -33412620.74 -33412620.63 0.3778 0.0061

Mercury -96188-03-24 07:54 J -33411161.26 -33411161.17 -33411161.08 0.3593 0.2659

Mercury -96187-10-09 12:42 J -33410597.08 -33410596.97 -33410596.86 0.3775 0.0889

Mercury -96183-10-08 09:06 J -33409137.25 -33409137.12 -33409136.99 0.3596 0.1372

Mercury -96181-04-24 07:39 J -33408573.28 -33408573.18 -33408573.08 0.3772 0.1784

Mercury -96177-04-23 09:49 J -33407113.23 -33407113.09 -33407112.96 0.3599 0.0147

Mercury -96176-11-08 02:37 J -33406549.46 -33406549.39 -33406549.31 0.3768 0.2707

Mercury -96172-11-07 10:03 J -33405089.21 -33405089.08 -33405088.95 0.3602 0.1032

Mercury -96170-05-24 22:03 J -33404525.60 -33404525.58 -33404525.56 0.3765 0.3652

Mercury -96166-05-24 09:49 J -33403065.19 -33403065.09 -33403064.98 0.3605 0.2158

Mercury -96161-12-07 09:06 J -33401041.17 -33401041.12 -33401041.06 0.3609 0.3229

Mercury -96158-09-01 15:35 J -33400042.91 -33400042.85 -33400042.79 0.3788 0.3029

Mercury -96152-03-17 09:35 J -33398019.19 -33398019.10 -33398019.02 0.3786 0.2241

Mercury -96147-10-01 03:35 J -33395995.45 -33395995.35 -33395995.25 0.3783 0.1432

Mercury -96141-04-15 21:49 J -33393971.70 -33393971.59 -33393971.48 0.3780 0.0607

Mercury -96136-10-30 16:18 J -33391947.93 -33391947.82 -33391947.71 0.3777 0.0286

Mercury -96132-10-29 07:54 J -33390488.27 -33390488.17 -33390488.06 0.3594 0.2284

Mercury -96130-05-16 11:01 J -33389924.14 -33389924.04 -33389923.93 0.3774 0.1146

Mercury -96126-05-15 09:06 J -33388464.25 -33388464.12 -33388463.99 0.3597 0.1012

Mercury -96125-11-29 05:59 J -33387900.34 -33387900.25 -33387900.15 0.3771 0.2043

Mercury -96121-11-28 09:35 J -33386440.23 -33386440.10 -33386439.96 0.3600 0.0205

Mercury -96119-06-15 01:11 J -33385876.52 -33385876.45 -33385876.38 0.3767 0.2972

Mercury -96115-06-14 09:49 J -33384416.22 -33384416.09 -33384415.97 0.3603 0.1359

Mercury -96110-12-29 09:35 J -33382392.20 -33382392.10 -33382392.01 0.3606 0.2470

Mercury -96107-09-22 19:54 J -33381393.71 -33381393.67 -33381393.64 0.3790 0.3571

Mercury -96104-07-14 08:37 J -33380368.16 -33380368.14 -33380368.11 0.3610 0.3522

Mercury -96101-04-07 13:39 J -33379370.00 -33379369.93 -33379369.86 0.3787 0.2798

Mercury -96096-10-22 07:39 J -33377346.27 -33377346.18 -33377346.09 0.3785 0.2006

Mercury -96090-05-08 01:39 J -33375322.53 -33375322.43 -33375322.32 0.3782 0.1201

Mercury -96085-11-20 20:08 J -33373298.77 -33373298.66 -33373298.55 0.3779 0.0353

Mercury -96081-11-19 06:42 J -33371839.28 -33371839.22 -33371839.16 0.3592 0.3209

Mercury -96079-06-06 14:37 J -33371275.00 -33371274.89 -33371274.78 0.3776 0.0516

Mercury -96075-06-05 08:08 J -33369815.28 -33369815.16 -33369815.05 0.3595 0.1909

Mercury -96074-12-21 09:20 J -33369251.21 -33369251.11 -33369251.00 0.3773 0.1404

Mercury -96070-12-20 09:06 J -33367791.26 -33367791.12 -33367790.99 0.3597 0.0658

Mercury -96068-07-06 04:32 J -33367227.40 -33367227.31 -33367227.23 0.3770 0.2306

Mercury -96064-07-05 09:20 J -33365767.24 -33365767.11 -33365766.97 0.3601 0.0544

Mercury -96062-01-19 23:44 J -33365203.57 -33365203.51 -33365203.46 0.3766 0.3239

Mercury -96058-01-19 09:35 J -33363743.22 -33363743.10 -33363742.99 0.3604 0.1683

Mercury -96053-08-04 09:06 J -33361719.21 -33361719.12 -33361719.04 0.3607 0.2771

Mercury -96050-04-29 17:44 J -33360720.80 -33360720.76 -33360720.71 0.3789 0.3341

Mercury -96045-11-12 11:44 J -33358697.09 -33358697.01 -33358696.93 0.3787 0.2567

Mercury -96039-05-29 05:44 J -33356673.36 -33356673.26 -33356673.16 0.3784 0.1766

Mercury -96034-12-12 23:59 J -33354649.61 -33354649.50 -33354649.39 0.3781 0.0950

Mercury -96028-06-27 18:27 J -33352625.84 -33352625.73 -33352625.62 0.3778 0.0162

Mercury -96024-06-26 06:56 J -33351166.30 -33351166.21 -33351166.13 0.3592 0.2827

Mercury -96022-01-11 12:56 J -33350602.07 -33350601.96 -33350601.85 0.3775 0.0766

Mercury -96018-01-10 08:08 J -33349142.28 -33349142.16 -33349142.03 0.3595 0.1540

Mercury -96017-07-27 07:54 J -33348578.27 -33348578.17 -33348578.07 0.3772 0.1655

Mercury -96013-07-26 08:51 J -33347118.26 -33347118.13 -33347117.99 0.3598 0.0316

Mercury -96011-02-10 02:51 J -33346554.46 -33346554.38 -33346554.30 0.3769 0.2563

Mercury -96007-02-09 09:20 J -33345094.24 -33345094.11 -33345093.98 0.3602 0.0873

Mercury -96006-08-26 22:03 J -33344530.62 -33344530.58 -33344530.54 0.3765 0.3499

Mercury -96002-08-26 09:06 J -33343070.23 -33343070.12 -33343070.01 0.3605 0.1994

96TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 96th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-95996-03-11 08:37 J	-33341046.21	-33341046.14	-33341046.08	0.3609	0.3063		
Mercury	-95994-12-04 15:49 J	-33340047.90	-33340047.84	-33340047.78	0.3788	0.3112		
Mercury	-95988-06-19 09:49 J	-33338024.18	-33338024.09	-33338024.01	0.3786	0.2330		
Mercury	-95982-01-03 03:49 J	-33336000.44	-33336000.34	-33336000.24	0.3783	0.1532		
Mercury	-95977-07-18 22:03 J	-33333976.68	-33333976.58	-33333976.47	0.3781	0.0721		
Mercury	-95971-02-01 16:32 J	-33331952.92	-33331952.81	-33331952.70	0.3778	0.0184		
Mercury	-95967-01-31 06:56 J	-33330493.31	-33330493.21	-33330493.11	0.3593	0.2448		
Mercury	-95966-08-18 11:15 J	-33329929.14	-33329929.03	-33329928.92	0.3775	0.1015		
Mercury	-95962-08-17 08:08 J	-33328469.29	-33328469.16	-33328469.03	0.3596	0.1179		
Mercury	-95960-03-03 06:13 J	-33327905.34	-33327905.24	-33327905.14	0.3771	0.1907		
Mercury	-95956-03-02 08:51 J	-33326445.27	-33326445.13	-33326445.00	0.3599	0.0114		
Mercury	-95955-09-17 01:11 J	-33325881.52	-33325881.45	-33325881.37	0.3768	0.2822		
Mercury	-95951-09-16 09:06 J	-33324421.25	-33324421.12	-33324421.00	0.3603	0.1197		
Mercury	-95949-04-01 20:37 J	-33323857.64	-33323857.64	-33323857.64	0.3764	0.3763		
Mercury	-95945-04-01 08:37 J	-33322397.24	-33322397.14	-33322397.04	0.3606	0.2292		
Mercury	-95943-12-25 20:08 J	-33321398.68	-33321398.66	-33321398.63	0.3790	0.3639		
Mercury	-95940-10-16 08:08 J	-33320373.21	-33320373.16	-33320373.12	0.3610	0.3356		
Mercury	-95937-07-10 13:54 J	-33319374.99	-33319374.92	-33319374.85	0.3788	0.2881		
Mercury	-95931-01-24 07:54 J	-33317351.26	-33317351.17	-33317351.08	0.3785	0.2095		
Mercury	-95926-08-10 02:08 J	-33315327.52	-33315327.41	-33315327.31	0.3783	0.1295		
Mercury	-95920-02-22 20:23 J	-33313303.76	-33313303.65	-33313303.54	0.3780	0.0461		
Mercury	-95916-02-21 05:30 J	-33311844.31	-33311844.27	-33311844.22	0.3591	0.3380		
Mercury	-95915-09-08 14:51 J	-33311279.99	-33311279.88	-33311279.77	0.3777	0.0387		
Mercury	-95911-09-07 07:11 J	-33309820.32	-33309820.20	-33309820.09	0.3594	0.2077		
Mercury	-95909-03-24 09:35 J	-33309256.20	-33309256.10	-33309255.99	0.3774	0.1265		

Mercury -95905-03-23 07:54 J -33307796.30 -33307796.17 -33307796.03 0.3597 0.0844

Mercury -95904-10-08 04:32 J -33307232.40 -33307232.31 -33307232.22 0.3770 0.2158

Mercury -95900-10-07 08:37 J -33305772.28 -33305772.14 -33305772.01 0.3600 0.0367

Mercury -95898-04-23 23:44 J -33305208.58 -33305208.51 -33305208.45 0.3767 0.3081

Mercury -95894-04-23 08:37 J -33303748.26 -33303748.14 -33303748.02 0.3603 0.1506

Mercury -95889-11-06 08:23 J -33301724.24 -33301724.15 -33301724.06 0.3607 0.2597

Mercury -95886-08-01 18:13 J -33300725.78 -33300725.74 -33300725.70 0.3789 0.3414

Mercury -95880-02-14 11:59 J -33298702.07 -33298702.00 -33298701.92 0.3787 0.2652

Mercury -95875-08-31 05:59 J -33296678.34 -33296678.25 -33296678.15 0.3785 0.1866

Mercury -95869-03-16 00:13 J -33294654.60 -33294654.49 -33294654.38 0.3782 0.1052

Mercury -95864-09-29 18:27 J -33292630.84 -33292630.73 -33292630.62 0.3779 0.0262

Mercury -95860-09-28 05:44 J -33291171.33 -33291171.26 -33291171.18 0.3592 0.2997

Mercury -95858-04-15 13:11 J -33290607.06 -33290606.95 -33290606.84 0.3776 0.0637

Mercury -95854-04-14 07:11 J -33289147.33 -33289147.20 -33289147.08 0.3595 0.1722

Mercury -95853-10-29 07:54 J -33288583.27 -33288583.17 -33288583.07 0.3773 0.1512

Mercury -95849-10-28 07:54 J -33287123.30 -33287123.17 -33287123.03 0.3598 0.0491

Mercury -95847-05-15 02:51 J -33286559.46 -33286559.38 -33286559.29 0.3769 0.2415

Mercury -95843-05-14 08:23 J -33285099.28 -33285099.15 -33285099.02 0.3601 0.0694

Mercury -95842-11-28 22:03 J -33284535.63 -33284535.58 -33284535.53 0.3766 0.3339

Mercury -95838-11-28 08:23 J -33283075.27 -33283075.15 -33283075.04 0.3604 0.1818

Mercury -95832-06-13 07:54 J -33281051.25 -33281051.17 -33281051.09 0.3608 0.2893

Mercury -95829-03-07 16:18 J -33280052.88 -33280052.82 -33280052.77 0.3789 0.3191

Mercury -95824-09-21 10:03 J -33278029.16 -33278029.08 -33278029.00 0.3786 0.2424

Mercury -95818-04-07 04:03 J -33276005.42 -33276005.33 -33276005.23 0.3784 0.1635

Mercury -95813-10-20 22:18 J -33273981.68 -33273981.57 -33273981.46 0.3781 0.0821

Mercury -95807-05-06 16:47 J -33271957.91 -33271957.80 -33271957.69 0.3778 0.0019

Mercury -95803-05-05 05:59 J -33270498.35 -33270498.25 -33270498.16 0.3593 0.2629

Mercury -95802-11-20 11:30 J -33269934.13 -33269934.02 -33269933.91 0.3775 0.0887

Mercury -95798-11-19 06:56 J -33268474.33 -33268474.21 -33268474.08 0.3596 0.1368

Mercury -95796-06-05 06:13 J -33267910.34 -33267910.24 -33267910.14 0.3772 0.1766

Mercury -95792-06-04 07:54 J -33266450.31 -33266450.17 -33266450.04 0.3599 0.0154

Mercury -95791-12-20 01:25 J -33265886.52 -33265886.44 -33265886.36 0.3768 0.2673

Mercury -95787-12-19 08:08 J -33264426.29 -33264426.16 -33264426.03 0.3602 0.1017

Mercury -95785-07-04 20:37 J -33263862.67 -33263862.64 -33263862.61 0.3765 0.3599

Mercury -95781-07-04 07:54 J -33262402.27 -33262402.17 -33262402.06 0.3606 0.2124

Mercury -95778-03-29 20:23 J -33261403.66 -33261403.65 -33261403.63 0.3790 0.3722

Mercury -95775-01-18 07:25 J -33260378.25 -33260378.19 -33260378.13 0.3609 0.3184

Mercury -95773-10-12 14:08 J -33259379.97 -33259379.91 -33259379.84 0.3788 0.2971

Mercury -95767-04-28 08:08 J -33257356.25 -33257356.16 -33257356.07 0.3785 0.2195

Mercury -95762-11-12 02:23 J -33255332.51 -33255332.40 -33255332.30 0.3783 0.1405

Mercury -95756-05-27 20:37 J -33253308.75 -33253308.64 -33253308.53 0.3780 0.0581

Mercury -95752-05-26 04:18 J -33251849.33 -33251849.32 -33251849.30 0.3591 0.3562

Mercury -95751-12-11 15:06 J -33251284.98 -33251284.87 -33251284.76 0.3777 0.0270

Mercury -95747-12-10 05:59 J -33249825.36 -33249825.25 -33249825.14 0.3594 0.2257

Mercury -95745-06-26 09:49 J -33249261.20 -33249261.09 -33249260.99 0.3774 0.1134

Mercury -95741-06-25 07:11 J -33247801.34 -33247801.20 -33247801.07 0.3597 0.1016

Mercury -95739-01-10 04:47 J -33247237.40 -33247237.30 -33247237.21 0.3771 0.2025

Mercury -95735-01-09 07:39 J -33245777.31 -33245777.18 -33245777.04 0.3600 0.0225

Mercury -95734-07-26 23:44 J -33245213.58 -33245213.51 -33245213.44 0.3767 0.2929

Mercury -95730-07-26 07:54 J -33243753.29 -33243753.17 -33243753.05 0.3603 0.1335

Mercury -95724-02-08 07:39 J -33241729.28 -33241729.18 -33241729.08 0.3607 0.2429

Mercury -95722-11-03 18:27 J -33240730.77 -33240730.73 -33240730.69 0.3789 0.3500

Mercury -95719-08-25 06:56 J -33239705.24 -33239705.21 -33239705.18 0.3610 0.3469

Mercury -95716-05-19 12:13 J -33238707.06 -33238706.99 -33238706.91 0.3787 0.2746

Mercury -95711-12-03 06:13 J -33236683.33 -33236683.24 -33236683.14 0.3785 0.1969

Mercury -95705-06-18 00:27 J -33234659.58 -33234659.48 -33234659.38 0.3782 0.1161

Mercury -95699-01-01 18:42 J -33232635.83 -33232635.72 -33232635.61 0.3779 0.0372

Mercury -95696-12-31 04:47 J -33231176.37 -33231176.30 -33231176.24 0.3592 0.3178

Mercury -95694-07-18 13:25 J -33230612.05 -33230611.94 -33230611.83 0.3776 0.0516

Mercury -95690-07-17 05:59 J -33229152.36 -33229152.25 -33229152.13 0.3595 0.1895

Mercury -95688-01-31 08:08 J -33228588.27 -33228588.16 -33228588.06 0.3773 0.1381

Mercury -95684-01-30 07:11 J -33227128.34 -33227128.20 -33227128.07 0.3598 0.0670

Mercury -95683-08-17 03:06 J -33226564.46 -33226564.37 -33226564.28 0.3770 0.2272

Mercury -95679-08-16 07:39 J -33225104.32 -33225104.18 -33225104.05 0.3601 0.0527

Mercury -95677-03-01 22:18 J -33224540.63 -33224540.57 -33224540.51 0.3766 0.3185

Mercury -95673-03-01 07:39 J -33223080.30 -33223080.18 -33223080.07 0.3604 0.1648

Mercury -95668-09-15 07:11 J -33221056.28 -33221056.20 -33221056.11 0.3608 0.2725

Mercury -95665-06-09 16:32 J -33220057.86 -33220057.81 -33220057.76 0.3789 0.3275

Mercury -95660-12-24 10:32 J -33218034.14 -33218034.06 -33218033.98 0.3786 0.2517

Mercury -95654-07-10 04:32 J -33216010.41 -33216010.31 -33216010.22 0.3784 0.1737

Mercury -95648-01-22 22:32 J -33213986.66 -33213986.56 -33213986.45 0.3781 0.0937

Mercury -95643-08-08 17:01 J -33211962.90 -33211962.79 -33211962.68 0.3778 0.0102

Mercury -95639-08-07 04:47 J -33210503.38 -33210503.30 -33210503.21 0.3593 0.2802

Mercury -95637-02-22 11:44 J -33209939.12 -33209939.01 -33209938.91 0.3775 0.0766

Mercury -95633-02-21 06:13 J -33208479.37 -33208479.24 -33208479.12 0.3596 0.1539

Mercury -95632-09-07 06:27 J -33207915.33 -33207915.23 -33207915.13 0.3772 0.1626

Mercury -95628-09-06 06:56 J -33206455.34 -33206455.21 -33206455.07 0.3599 0.0330

Mercury -95626-03-24 01:25 J -33205891.52 -33205891.44 -33205891.36 0.3769 0.2524

Mercury -95622-03-23 07:11 J -33204431.33 -33204431.20 -33204431.06 0.3602 0.0842

Mercury -95621-10-06 20:37 J -33203867.68 -33203867.64 -33203867.59 0.3765 0.3438

Mercury -95617-10-06 07:11 J -33202407.31 -33202407.20 -33202407.08 0.3605 0.1955

Mercury -95611-04-22 06:42 J -33200383.29 -33200383.22 -33200383.15 0.3609 0.3005

Mercury -95608-01-14 14:37 J -33199384.95 -33199384.89 -33199384.83 0.3788 0.3052

Mercury -95603-07-31 08:37 J -33197361.23 -33197361.14 -33197361.06 0.3786 0.2291

Mercury -95597-02-14 02:37 J -33195337.49 -33195337.39 -33195337.29 0.3783 0.1500

Mercury -95592-08-29 20:51 J -33193313.74 -33193313.63 -33193313.52 0.3781 0.0694

Mercury -95586-03-15 15:20 J -33191289.97 -33191289.86 -33191289.75 0.3778 0.0159

Mercury -95582-03-14 04:47 J -33189830.40 -33189830.30 -33189830.19 0.3594 0.2445

Mercury -95581-09-28 09:49 J -33189266.20 -33189266.09 -33189265.98 0.3774 0.0994

Mercury -95577-09-27 06:13 J -33187806.37 -33187806.24 -33187806.11 0.3596 0.1190

Mercury -95575-04-14 04:47 J -33187242.40 -33187242.30 -33187242.20 0.3771 0.1874

Mercury -95571-04-13 06:42 J -33185782.35 -33185782.22 -33185782.08 0.3599 0.0074

Mercury -95570-10-28 23:44 J -33185218.58 -33185218.51 -33185218.43 0.3768 0.2773

Mercury -95566-10-28 06:56 J -33183758.33 -33183758.21 -33183758.08 0.3603 0.1156

Mercury -95564-05-13 19:11 J -33183194.72 -33183194.70 -33183194.68 0.3764 0.3695

Mercury -95560-05-13 06:56 J -33181734.32 -33181734.21 -33181734.11 0.3606 0.2251

Mercury -95557-02-05 18:56 J -33180735.74 -33180735.71 -33180735.68 0.3790 0.3580

Mercury -95555-11-27 06:13 J -33179710.29 -33179710.24 -33179710.19 0.3610 0.3288

Mercury -95552-08-21 12:42 J -33178712.04 -33178711.97 -33178711.90 0.3788 0.2833

Mercury -95546-03-07 06:42 J -33176688.31 -33176688.22 -33176688.13 0.3785 0.2066

Mercury -95541-09-20 00:42 J -33174664.57 -33174664.47 -33174664.37 0.3782 0.1274

Mercury -95535-04-05 18:56 J -33172640.82 -33172640.71 -33172640.60 0.3780 0.0467

Mercury -95531-04-04 03:20 J -33171181.40 -33171181.36 -33171181.31 0.3591 0.3369

Mercury -95530-10-20 13:25 J -33170617.05 -33170616.94 -33170616.83 0.3777 0.0389

Mercury -95526-10-19 05:01 J -33169157.40 -33169157.29 -33169157.18 0.3594 0.2080

Mercury -95524-05-05 08:08 J -33168593.26 -33168593.16 -33168593.05 0.3773 0.1237

Mercury -95520-05-04 05:59 J -33167133.38 -33167133.25 -33167133.11 0.3597 0.0849

Mercury -95519-11-19 03:06 J -33166569.46 -33166569.37 -33166569.28 0.3770 0.2117

Mercury -95515-11-18 06:42 J -33165109.36 -33165109.22 -33165109.09 0.3600 0.0351

Mercury -95513-06-03 22:18 J -33164545.64 -33164545.57 -33164545.51 0.3767 0.3024

Mercury -95509-06-03 06:42 J -33163085.34 -33163085.22 -33163085.09 0.3604 0.1466

Mercury -95504-12-18 06:27 J -33161061.32 -33161061.23 -33161061.14 0.3607 0.2542

Mercury -95501-09-11 16:47 J -33160062.84 -33160062.80 -33160062.75 0.3789 0.3369

Mercury -95498-07-04 05:44 J -33159037.28 -33159037.26 -33159037.24 0.3611 0.3568

Mercury -95495-03-28 10:47 J -33158039.13 -33158039.05 -33158038.97 0.3787 0.2611

Mercury -95490-10-12 04:47 J -33156015.40 -33156015.30 -33156015.21 0.3784 0.1842

Mercury -95484-04-26 22:47 J -33153991.65 -33153991.55 -33153991.44 0.3782 0.1049

Mercury -95479-11-10 17:15 J -33151967.89 -33151967.78 -33151967.67 0.3779 0.0230

Mercury -95475-11-09 03:35 J -33150508.42 -33150508.35 -33150508.27 0.3592 0.2996

Mercury -95473-05-26 11:44 J -33149944.12 -33149944.01 -33149943.90 0.3776 0.0621

Mercury -95469-05-25 05:01 J -33148484.41 -33148484.29 -33148484.17 0.3595 0.1725

Mercury -95468-12-10 06:27 J -33147920.33 -33147920.23 -33147920.12 0.3772 0.1487

Mercury -95464-12-09 05:59 J -33146460.38 -33146460.25 -33146460.11 0.3598 0.0507

Mercury -95462-06-26 01:25 J -33145896.52 -33145896.44 -33145896.35 0.3769 0.2373

Mercury -95458-06-25 06:27 J -33144436.36 -33144436.23 -33144436.10 0.3601 0.0656

Mercury -95456-01-08 20:51 J -33143872.69 -33143872.63 -33143872.58 0.3765 0.3282

Mercury -95452-01-08 06:27 J -33142412.34 -33142412.23 -33142412.11 0.3605 0.1774

Mercury -95447-07-25 05:59 J -33140388.33 -33140388.25 -33140388.17 0.3608 0.2832

Mercury -95444-04-18 14:51 J -33139389.93 -33139389.88 -33139389.82 0.3788 0.3148

Mercury -95439-11-02 08:51 J -33137366.22 -33137366.13 -33137366.05 0.3786 0.2391

Mercury -95433-05-18 02:51 J -33135342.48 -33135342.38 -33135342.28 0.3783 0.1610

Mercury -95428-12-01 21:06 J -33133318.73 -33133318.62 -33133318.51 0.3781 0.0814

Mercury -95422-06-17 15:35 J -33131294.97 -33131294.85 -33131294.74 0.3778 0.0155

Mercury -95418-06-16 03:49 J -33129835.43 -33129835.34 -33129835.25 0.3593 0.2625

Mercury -95417-12-31 10:03 J -33129271.19 -33129271.08 -33129270.97 0.3775 0.0860

Mercury -95413-12-30 05:01 J -33127811.41 -33127811.29 -33127811.16 0.3596 0.1377

Mercury -95411-07-17 05:01 J -33127247.39 -33127247.29 -33127247.20 0.3771 0.1734

Mercury -95407-07-16 05:59 J -33125787.39 -33125787.25 -33125787.12 0.3599 0.0187

Mercury -95405-01-30 23:59 J -33125223.58 -33125223.50 -33125223.42 0.3768 0.2621

Mercury -95401-01-30 06:13 J -33123763.37 -33123763.24 -33123763.11 0.3602 0.0979

Mercury -95400-08-15 19:11 J -33123199.73 -33123199.70 -33123199.66 0.3765 0.3535

Mercury -95396-08-15 06:13 J -33121739.35 -33121739.24 -33121739.13 0.3606 0.2073

Mercury -95393-05-09 19:11 J -33120740.72 -33120740.70 -33120740.67 0.3790 0.3667

Mercury -95390-03-01 05:30 J -33119715.33 -33119715.27 -33119715.20 0.3609 0.3117

Mercury -95388-11-23 12:56 J -33118717.02 -33118716.96 -33118716.89 0.3788 0.2929

Mercury -95382-06-09 06:56 J -33116693.30 -33116693.21 -33116693.12 0.3785 0.2166

Mercury -95377-12-23 00:56 J -33114669.56 -33114669.46 -33114669.36 0.3783 0.1385

Mercury -95371-07-08 19:11 J -33112645.81 -33112645.70 -33112645.59 0.3780 0.0592

Mercury -95367-07-07 02:23 J -33111186.42 -33111186.40 -33111186.39 0.3591 0.3551

Mercury -95365-01-22 13:39 J -33110622.04 -33110621.93 -33110621.82 0.3777 0.0276

Mercury -95361-01-21 04:03 J -33109162.44 -33109162.33 -33109162.22 0.3594 0.2263

Mercury -95360-08-07 08:23 J -33108598.26 -33108598.15 -33108598.04 0.3774 0.1103

Mercury -95356-08-06 05:15 J -33107138.42 -33107138.28 -33107138.15 0.3597 0.1034

Mercury -95354-02-21 03:20 J -33106574.46 -33106574.36 -33106574.27 0.3770 0.1974

Mercury -95350-02-20 05:44 J -33105114.39 -33105114.26 -33105114.12 0.3600 0.0161

Mercury -95349-09-05 22:18 J -33104550.64 -33104550.57 -33104550.49 0.3767 0.2869

Mercury -95345-09-05 05:59 J -33103090.37 -33103090.25 -33103090.12 0.3603 0.1289

Mercury -95339-03-22 05:44 J -33101066.36 -33101066.26 -33101066.16 0.3607 0.2359

Mercury -95337-12-14 17:15 J -33100067.82 -33100067.78 -33100067.74 0.3789 0.3451

Mercury -95334-10-06 05:01 J -33099042.33 -33099042.29 -33099042.24 0.3610 0.3397

Mercury -95331-06-30 11:01 J -33098044.11 -33098044.04 -33098043.96 0.3787 0.2709

Mercury -95325-01-14 05:01 J -33096020.38 -33096020.29 -33096020.20 0.3784 0.1940

Mercury -95320-07-29 23:15 J -33093996.64 -33093996.53 -33093996.43 0.3782 0.1163

Mercury -95314-02-12 17:30 J -33091972.88 -33091972.77 -33091972.66 0.3779 0.0346

Mercury -95310-02-11 02:37 J -33090513.46 -33090513.39 -33090513.33 0.3592 0.3178

Mercury -95309-08-28 11:59 J -33089949.11 -33089949.00 -33089948.89 0.3776 0.0486

Mercury -95305-08-27 04:03 J -33088489.45 -33088489.33 -33088489.21 0.3595 0.1908

Mercury -95303-03-14 06:42 J -33087925.32 -33087925.22 -33087925.11 0.3773 0.1343

Mercury -95299-03-13 05:01 J -33086465.42 -33086465.29 -33086465.16 0.3598 0.0696

Mercury -95298-09-28 01:39 J -33085901.52 -33085901.43 -33085901.34 0.3770 0.2214

Mercury -95294-09-27 05:30 J -33084441.40 -33084441.27 -33084441.13 0.3601 0.0492

Mercury -95292-04-12 20:51 J -33083877.69 -33083877.63 -33083877.57 0.3766 0.3117

Mercury -95288-04-12 05:30 J -33082417.38 -33082417.27 -33082417.14 0.3604 0.1587

Mercury -95283-10-27 05:15 J -33080393.37 -33080393.28 -33080393.19 0.3608 0.2648

Mercury -95280-07-21 15:20 J -33079394.91 -33079394.86 -33079394.81 0.3789 0.3236

Mercury -95274-02-04 09:06 J -33077371.20 -33077371.12 -33077371.04 0.3786 0.2488

Mercury -95269-08-20 03:06 J -33075347.47 -33075347.37 -33075347.27 0.3784 0.1719

Mercury -95263-03-05 21:20 J -33073323.72 -33073323.61 -33073323.50 0.3781 0.0926

Mercury -95258-09-19 15:35 J -33071299.96 -33071299.85 -33071299.74 0.3778 0.0155

Mercury -95254-09-18 02:51 J -33069840.47 -33069840.38 -33069840.30 0.3593 0.2814

Mercury -95252-04-04 10:18 J -33069276.18 -33069276.07 -33069275.96 0.3775 0.0726

Mercury -95248-04-03 04:03 J -33067816.46 -33067816.33 -33067816.21 0.3596 0.1570

Mercury -95247-10-19 05:01 J -33067252.39 -33067252.29 -33067252.19 0.3772 0.1578

Mercury -95243-10-18 05:01 J -33065792.43 -33065792.29 -33065792.16 0.3599 0.0367

Mercury -95241-05-03 23:59 J -33065228.58 -33065228.50 -33065228.41 0.3769 0.2461

Mercury -95237-05-03 05:30 J -33063768.41 -33063768.27 -33063768.14 0.3602 0.0796

Mercury -95236-11-17 19:11 J -33063204.75 -33063204.70 -33063204.65 0.3765 0.3363

Mercury -95232-11-17 05:15 J -33061744.39 -33061744.28 -33061744.16 0.3605 0.1881

Mercury -95229-08-11 19:39 J -33060745.69 -33060745.68 -33060745.67 0.3790 0.3751

Mercury -95226-06-03 05:01 J -33059720.37 -33059720.29 -33059720.22 0.3609 0.2933

Mercury -95223-02-25 13:25 J -33058722.01 -33058721.94 -33058721.88 0.3788 0.3022

Mercury -95218-09-11 07:11 J -33056698.29 -33056698.20 -33056698.11 0.3786 0.2272

Mercury -95212-03-27 01:11 J -33054674.55 -33054674.45 -33054674.35 0.3783 0.1501

Mercury -95207-10-10 19:25 J -33052650.80 -33052650.69 -33052650.58 0.3780 0.0706

Mercury -95201-04-25 13:54 J -33050627.03 -33050626.92 -33050626.81 0.3777 0.0118

Mercury -95197-04-24 02:51 J -33049167.48 -33049167.38 -33049167.28 0.3593 0.2459

Mercury -95196-11-09 08:37 J -33048603.25 -33048603.14 -33048603.04 0.3774 0.0966

Mercury -95192-11-08 04:03 J -33047143.46 -33047143.33 -33047143.20 0.3597 0.1224

Mercury -95190-05-26 03:20 J -33046579.46 -33046579.36 -33046579.26 0.3771 0.1820

Mercury -95186-05-25 04:47 J -33045119.43 -33045119.30 -33045119.16 0.3600 0.0101

Mercury -95185-12-08 22:32 J -33044555.64 -33044555.56 -33044555.49 0.3767 0.2708

Mercury -95181-12-08 05:01 J -33043095.41 -33043095.29 -33043095.16 0.3603 0.1102

Mercury -95179-06-24 17:44 J -33042531.79 -33042531.76 -33042531.73 0.3764 0.3614

Mercury -95175-06-24 05:01 J -33041071.40 -33041071.29 -33041071.19 0.3606 0.2176

Mercury -95172-03-18 17:44 J -33040072.80 -33040072.76 -33040072.73 0.3790 0.3541

Mercury -95169-01-08 04:32 J -33039047.37 -33039047.31 -33039047.26 0.3610 0.3212

Mercury -95167-10-02 11:15 J -33038049.10 -33038049.03 -33038048.95 0.3787 0.2812

Mercury -95161-04-17 05:15 J -33036025.37 -33036025.28 -33036025.19 0.3785 0.2051

Mercury -95156-10-31 23:15 J -33034001.63 -33034001.53 -33034001.42 0.3782 0.1283

Mercury -95150-05-17 17:44 J -33031977.87 -33031977.76 -33031977.65 0.3779 0.0481

Mercury -95146-05-16 01:25 J -33030518.49 -33030518.44 -33030518.40 0.3591 0.3373

Mercury -95145-11-30 12:13 J -33029954.10 -33029953.99 -33029953.88 0.3776 0.0359

Mercury -95141-11-29 02:51 J -33028494.49 -33028494.38 -33028494.27 0.3594 0.2108

Mercury -95139-06-16 06:56 J -33027930.32 -33027930.21 -33027930.11 0.3773 0.1202

Mercury -95135-06-15 04:03 J -33026470.46 -33026470.33 -33026470.20 0.3597 0.0887

Mercury -95134-12-31 01:39 J -33025906.52 -33025906.43 -33025906.33 0.3770 0.2068

Mercury -95130-12-30 04:47 J -33024446.44 -33024446.30 -33024446.17 0.3600 0.0287

Mercury -95128-07-15 20:51 J -33023882.70 -33023882.63 -33023882.56 0.3766 0.2951

Mercury -95124-07-15 04:47 J -33022422.42 -33022422.30 -33022422.17 0.3604 0.1403

Mercury -95118-01-29 04:47 J -33020398.40 -33020398.30 -33020398.21 0.3607 0.2469

Mercury -95116-10-23 15:35 J -33019399.90 -33019399.85 -33019399.80 0.3789 0.3332

Mercury -95113-08-14 04:03 J -33018374.37 -33018374.33 -33018374.30 0.3611 0.3484

Mercury -95110-05-09 09:20 J -33017376.18 -33017376.11 -33017376.03 0.3787 0.2596

Mercury -95105-11-22 03:20 J -33015352.45 -33015352.36 -33015352.26 0.3784 0.1835

Mercury -95099-06-07 21:35 J -33013328.71 -33013328.60 -33013328.49 0.3781 0.1047

Mercury -95094-12-22 15:49 J -33011304.95 -33011304.84 -33011304.73 0.3778 0.0270

Mercury -95090-12-21 01:39 J -33009845.51 -33009845.43 -33009845.36 0.3592 0.3010

Mercury -95088-07-07 10:32 J -33009281.17 -33009281.06 -33009280.95 0.3775 0.0599

Mercury -95084-07-06 03:06 J -33007821.49 -33007821.37 -33007821.25 0.3595 0.1758

Mercury -95082-01-21 05:15 J -33007257.39 -33007257.28 -33007257.18 0.3772 0.1438

Mercury -95078-01-20 04:03 J -33005797.46 -33005797.33 -33005797.19 0.3598 0.0553

Mercury -95077-08-06 00:13 J -33005233.58 -33005233.49 -33005233.40 0.3769 0.2307

Mercury -95073-08-05 04:32 J -33003773.44 -33003773.31 -33003773.18 0.3601 0.0601

Mercury -95071-02-19 19:25 J -33003209.75 -33003209.69 -33003209.64 0.3765 0.3200

Mercury -95067-02-19 04:32 J -33001749.42 -33001749.31 -33001749.19 0.3605 0.1700

Mercury -95062-09-05 04:18 J -32999725.41 -32999725.32 -32999725.24 0.3608 0.2750

Mercury -95059-05-30 13:39 J -32998726.99 -32998726.93 -32998726.87 0.3788 0.3119

Mercury -95054-12-14 07:25 J -32996703.27 -32996703.19 -32996703.10 0.3786 0.2381

Mercury -95048-06-29 01:25 J -32994679.53 -32994679.44 -32994679.34 0.3783 0.1619

Mercury -95042-01-12 19:39 J -32992655.78 -32992655.68 -32992655.57 0.3780 0.0832

Mercury -95037-07-28 14:08 J -32990632.02 -32990631.91 -32990631.80 0.3778 0.0014

Mercury -95033-07-27 01:39 J -32989172.52 -32989172.43 -32989172.33 0.3593 0.2653

Mercury -95031-02-11 08:37 J -32988608.24 -32988608.14 -32988608.03 0.3774 0.0832

Mercury -95027-02-10 03:06 J -32987148.50 -32987148.37 -32987148.24 0.3596 0.1413

Mercury -95026-08-28 03:35 J -32986584.45 -32986584.35 -32986584.25 0.3771 0.1673

Mercury -95022-08-27 04:03 J -32985124.47 -32985124.33 -32985124.20 0.3599 0.0241

Mercury -95020-03-12 22:32 J -32984560.64 -32984560.56 -32984560.48 0.3768 0.2547

Mercury -95016-03-12 04:18 J -32983100.45 -32983100.32 -32983100.19 0.3602 0.0904

Mercury -95015-09-26 17:44 J -32982536.80 -32982536.76 -32982536.72 0.3764 0.3441

Mercury -95011-09-26 04:18 J -32981076.43 -32981076.32 -32981076.21 0.3606 0.1993

Mercury -95008-06-20 17:59 J -32980077.78 -32980077.75 -32980077.72 0.3790 0.3633

Mercury -95005-04-11 03:49 J -32979052.42 -32979052.34 -32979052.27 0.3609 0.3021

Mercury -95002-01-04 11:44 J -32978054.08 -32978054.01 -32978053.94 0.3787 0.2905

95TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 95th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-94997-07-20 05:44 J	-32976030.35	-32976030.26	-32976030.18	0.3785	0.2163		
Mercury	-94991-02-02 23:44 J	-32974006.61	-32974006.51	-32974006.41	0.3782	0.1389		
Mercury	-94986-08-19 17:59 J	-32971982.86	-32971982.75	-32971982.64	0.3780	0.0598		
Mercury	-94982-08-18 00:13 J	-32970523.50	-32970523.49	-32970523.48	0.3591	0.3569		
Mercury	-94980-03-04 12:27 J	-32969959.09	-32969958.98	-32969958.87	0.3777	0.0228		
Mercury	-94976-03-03 01:54 J	-32968499.52	-32968499.42	-32968499.31	0.3594	0.2301		

Mercury -94975-09-18 06:56 J -32967935.31 -32967935.21 -32967935.10 0.3774 0.1054

Mercury -94971-09-17 03:06 J -32966475.50 -32966475.37 -32966475.24 0.3597 0.1078

Mercury -94969-04-03 01:54 J -32965911.52 -32965911.42 -32965911.32 0.3770 0.1911

Mercury -94965-04-02 03:49 J -32964451.48 -32964451.34 -32964451.21 0.3600 0.0092

Mercury -94964-10-17 20:51 J -32963887.70 -32963887.63 -32963887.55 0.3767 0.2786

Mercury -94960-10-17 04:03 J -32962427.46 -32962427.33 -32962427.20 0.3603 0.1209

Mercury -94958-05-03 16:18 J -32961863.84 -32961863.82 -32961863.80 0.3763 0.3689

Mercury -94954-05-03 03:49 J -32960403.44 -32960403.34 -32960403.24 0.3607 0.2275

Mercury -94951-01-25 16:03 J -32959404.87 -32959404.83 -32959404.79 0.3789 0.3424

Mercury -94949-11-16 03:06 J -32958379.42 -32958379.37 -32958379.31 0.3610 0.3293

Mercury -94946-08-11 09:49 J -32957381.16 -32957381.09 -32957381.02 0.3787 0.2693

Mercury -94940-02-24 03:49 J -32955357.44 -32955357.34 -32955357.25 0.3784 0.1943

Mercury -94935-09-09 21:49 J -32953333.69 -32953333.59 -32953333.49 0.3782 0.1169

Mercury -94929-03-25 16:03 J -32951309.94 -32951309.83 -32951309.72 0.3779 0.0388

Mercury -94925-03-24 00:27 J -32949850.54 -32949850.48 -32949850.42 0.3592 0.3217

Mercury -94924-10-09 10:32 J -32949286.17 -32949286.06 -32949285.95 0.3776 0.0451

Mercury -94920-10-08 02:08 J -32947826.53 -32947826.41 -32947826.30 0.3595 0.1955

Mercury -94918-04-25 05:15 J -32947262.38 -32947262.28 -32947262.17 0.3773 0.1286

Mercury -94914-04-24 03:06 J -32945802.51 -32945802.37 -32945802.24 0.3598 0.0758

Mercury -94913-11-08 00:13 J -32945238.58 -32945238.49 -32945238.40 0.3769 0.2146

Mercury -94909-11-07 03:35 J -32943778.48 -32943778.35 -32943778.21 0.3601 0.0404

Mercury -94907-05-24 19:25 J -32943214.76 -32943214.69 -32943214.63 0.3766 0.3029

Mercury -94903-05-24 03:49 J -32941754.46 -32941754.34 -32941754.22 0.3604 0.1505

Mercury -94898-12-08 03:20 J -32939730.45 -32939730.36 -32939730.26 0.3608 0.2558

Mercury -94895-09-01 13:54 J -32938731.97 -32938731.92 -32938731.86 0.3789 0.3223

Mercury -94892-06-23 02:51 J -32937706.40 -32937706.38 -32937706.37 0.3611 0.3559

Mercury -94889-03-17 07:54 J -32936708.25 -32936708.17 -32936708.09 0.3786 0.2481

Mercury -94884-10-01 01:54 J -32934684.52 -32934684.42 -32934684.33 0.3784 0.1734

Mercury -94878-04-16 19:54 J -32932660.77 -32932660.67 -32932660.56 0.3781 0.0956

Mercury -94873-10-30 14:23 J -32930637.01 -32930636.90 -32930636.79 0.3778 0.0163

Mercury -94869-10-29 00:42 J -32929177.56 -32929177.47 -32929177.39 0.3593 0.2860

Mercury -94867-05-16 08:51 J -32928613.24 -32928613.13 -32928613.02 0.3775 0.0672

Mercury -94863-05-15 02:08 J -32927153.54 -32927153.41 -32927153.29 0.3596 0.1618

Mercury -94862-11-30 03:35 J -32926589.45 -32926589.35 -32926589.24 0.3772 0.1518

Mercury -94858-11-29 02:51 J -32925129.51 -32925129.38 -32925129.24 0.3599 0.0442

Mercury -94856-06-14 22:32 J -32924565.64 -32924565.56 -32924565.47 0.3768 0.2386

Mercury -94852-06-14 03:35 J -32923105.49 -32923105.35 -32923105.22 0.3602 0.0717

Mercury -94851-12-29 17:44 J -32922541.81 -32922541.76 -32922541.70 0.3765 0.3276

Mercury -94847-12-29 03:35 J -32921081.47 -32921081.35 -32921081.24 0.3605 0.1800

Mercury -94844-09-22 18:27 J -32920082.75 -32920082.73 -32920082.72 0.3790 0.3734

Mercury -94841-07-14 03:06 J -32919057.45 -32919057.37 -32919057.29 0.3609 0.2833

Mercury -94838-04-08 11:59 J -32918059.06 -32918059.00 -32918058.93 0.3788 0.3012

Mercury -94833-10-22 05:59 J -32916035.34 -32916035.25 -32916035.17 0.3785 0.2274

Mercury -94827-05-07 23:59 J -32914011.60 -32914011.50 -32914011.40 0.3783 0.1512

Mercury -94822-11-21 18:13 J -32911987.85 -32911987.74 -32911987.63 0.3780 0.0736

Mercury -94816-06-06 12:27 J -32909964.09 -32909963.98 -32909963.86 0.3777 0.0173

Mercury -94812-06-05 00:56 J -32908504.56 -32908504.46 -32908504.37 0.3594 0.2506

Mercury -94811-12-21 07:11 J -32907940.31 -32907940.20 -32907940.09 0.3774 0.0903

Mercury -94807-12-20 02:08 J -32906480.54 -32906480.41 -32906480.28 0.3596 0.1281

Mercury -94805-07-06 01:54 J -32905916.51 -32905916.42 -32905916.32 0.3771 0.1758

Mercury -94801-07-05 02:51 J -32904456.51 -32904456.38 -32904456.24 0.3600 0.0113

Mercury -94799-01-19 21:06 J -32903892.70 -32903892.62 -32903892.54 0.3767 0.2625

Mercury -94795-01-19 03:20 J -32902432.49 -32902432.36 -32902432.23 0.3603 0.1016

Mercury -94794-08-05 16:18 J -32901868.86 -32901868.82 -32901868.78 0.3764 0.3516

Mercury -94790-08-05 03:06 J -32900408.48 -32900408.37 -32900408.26 0.3606 0.2086

Mercury -94787-04-29 16:18 J -32899409.85 -32899409.82 -32899409.78 0.3789 0.3527

Mercury -94784-02-18 02:37 J -32898384.45 -32898384.39 -32898384.32 0.3610 0.3106

Mercury -94782-11-13 10:03 J -32897386.15 -32897386.08 -32897386.01 0.3787 0.2803

Mercury -94776-05-29 04:03 J -32895362.42 -32895362.33 -32895362.24 0.3785 0.2058

Mercury -94771-12-12 22:03 J -32893338.68 -32893338.58 -32893338.48 0.3782 0.1294

Mercury -94765-06-27 16:18 J -32891314.93 -32891314.82 -32891314.71 0.3779 0.0511

Mercury -94761-06-25 23:15 J -32889855.57 -32889855.53 -32889855.49 0.3592 0.3417

Mercury -94759-01-11 10:47 J -32889291.16 -32889291.05 -32889290.94 0.3776 0.0317

Mercury -94755-01-10 00:56 J -32887831.57 -32887831.46 -32887831.35 0.3594 0.2155

Mercury -94754-07-28 05:30 J -32887267.38 -32887267.27 -32887267.16 0.3773 0.1136

Mercury -94750-07-27 02:08 J -32885807.54 -32885807.41 -32885807.28 0.3597 0.0949

Mercury -94748-02-10 00:27 J -32885243.58 -32885243.48 -32885243.39 0.3770 0.1992

Mercury -94744-02-09 02:51 J -32883783.52 -32883783.38 -32883783.25 0.3601 0.0211

Mercury -94743-08-26 19:25 J -32883219.76 -32883219.69 -32883219.61 0.3766 0.2868

Mercury -94739-08-26 03:06 J -32881759.50 -32881759.37 -32881759.25 0.3604 0.1314

Mercury -94737-03-11 14:51 J -32881195.88 -32881195.88 -32881195.88 0.3763 0.3759

Mercury -94733-03-11 02:51 J -32879735.48 -32879735.38 -32879735.28 0.3607 0.2366

Mercury -94731-12-04 14:23 J -32878736.95 -32878736.90 -32878736.85 0.3789 0.3321

Mercury -94728-09-25 02:08 J -32877711.45 -32877711.41 -32877711.36 0.3611 0.3374

Mercury -94725-06-19 08:08 J -32876713.24 -32876713.16 -32876713.08 0.3786 0.2592

Mercury -94719-01-03 02:08 J -32874689.50 -32874689.41 -32874689.31 0.3784 0.1841

Mercury -94714-07-19 20:23 J -32872665.76 -32872665.65 -32872665.55 0.3781 0.1080

Mercury -94708-02-01 14:37 J -32870642.00 -32870641.89 -32870641.78 0.3778 0.0278

Mercury -94704-01-30 23:30 J -32869182.59 -32869182.52 -32869182.45 0.3592 0.3055

Mercury -94703-08-18 09:06 J -32868618.23 -32868618.12 -32868618.01 0.3775 0.0534

Mercury -94699-08-17 01:11 J -32867158.57 -32867158.45 -32867158.34 0.3595 0.1817

Mercury -94697-03-03 03:49 J -32866594.44 -32866594.34 -32866594.23 0.3772 0.1368

Mercury -94693-03-02 02:08 J -32865134.55 -32865134.41 -32865134.28 0.3598 0.0628

Mercury -94692-09-16 22:47 J -32864570.64 -32864570.55 -32864570.46 0.3769 0.2222

Mercury -94688-09-16 02:37 J -32863110.52 -32863110.39 -32863110.25 0.3602 0.0519

Mercury -94686-04-02 17:59 J -32862546.81 -32862546.75 -32862546.69 0.3765 0.3105

Mercury -94682-04-02 02:37 J -32861086.51 -32861086.39 -32861086.27 0.3605 0.1600

Mercury -94677-10-16 02:23 J -32859062.49 -32859062.40 -32859062.31 0.3609 0.2643

Mercury -94674-07-11 12:27 J -32858064.04 -32858063.98 -32858063.92 0.3788 0.3113

Mercury -94668-01-24 06:13 J -32856040.32 -32856040.24 -32856040.15 0.3786 0.2380

Mercury -94663-08-10 00:13 J -32854016.59 -32854016.49 -32854016.39 0.3783 0.1629

Mercury -94657-02-23 18:27 J -32851992.84 -32851992.73 -32851992.62 0.3780 0.0855

Mercury -94652-09-08 12:42 J -32849969.08 -32849968.97 -32849968.86 0.3778 0.0147

Mercury -94648-09-06 23:44 J -32848509.60 -32848509.51 -32848509.42 0.3593 0.2703

Mercury -94646-03-25 07:25 J -32847945.30 -32847945.19 -32847945.08 0.3774 0.0761

Mercury -94642-03-24 00:56 J -32846485.58 -32846485.46 -32846485.33 0.3596 0.1492

Mercury -94641-10-08 02:08 J -32845921.51 -32845921.41 -32845921.31 0.3771 0.1594

Mercury -94637-10-07 01:54 J -32844461.55 -32844461.42 -32844461.28 0.3599 0.0325

Mercury -94635-04-23 21:06 J -32843897.70 -32843897.62 -32843897.53 0.3768 0.2458

Mercury -94631-04-23 02:23 J -32842437.53 -32842437.40 -32842437.27 0.3602 0.0810

Mercury -94630-11-07 16:18 J -32841873.87 -32841873.82 -32841873.77 0.3764 0.3339

Mercury -94626-11-07 02:23 J -32840413.51 -32840413.40 -32840413.29 0.3606 0.1885

Mercury -94623-08-01 16:47 J -32839414.83 -32839414.80 -32839414.77 0.3790 0.3622

Mercury -94620-05-23 01:54 J -32838389.50 -32838389.42 -32838389.34 0.3609 0.2910

Mercury -94617-02-15 10:32 J -32837391.13 -32837391.06 -32837391.00 0.3787 0.2908

Mercury -94612-08-31 04:18 J -32835367.41 -32835367.32 -32835367.23 0.3785 0.2173

Mercury -94606-03-16 22:18 J -32833343.67 -32833343.57 -32833343.46 0.3782 0.1421

Mercury -94601-09-29 16:32 J -32831319.92 -32831319.81 -32831319.70 0.3780 0.0643

Mercury -94595-04-15 11:01 J -32829296.15 -32829296.04 -32829295.93 0.3777 0.0163

Mercury -94591-04-13 23:44 J -32827836.61 -32827836.51 -32827836.41 0.3594 0.2370

Mercury -94590-10-30 05:44 J -32827272.37 -32827272.26 -32827272.16 0.3773 0.0994

Mercury -94586-10-29 01:11 J -32825812.58 -32825812.45 -32825812.32 0.3597 0.1162

Mercury -94584-05-15 00:27 J -32825248.58 -32825248.48 -32825248.38 0.3770 0.1825

Mercury -94580-05-14 01:54 J -32823788.56 -32823788.42 -32823788.29 0.3600 0.0060

Mercury -94579-11-28 19:25 J -32823224.76 -32823224.69 -32823224.61 0.3767 0.2696

Mercury -94575-11-28 02:08 J -32821764.54 -32821764.41 -32821764.28 0.3603 0.1107

Mercury -94573-06-13 14:51 J -32821200.91 -32821200.88 -32821200.85 0.3763 0.3579

Mercury -94569-06-13 01:54 J -32819740.52 -32819740.42 -32819740.31 0.3607 0.2169

Mercury -94566-03-08 14:51 J -32818741.93 -32818741.88 -32818741.84 0.3789 0.3423

Mercury -94564-12-28 01:25 J -32817716.50 -32817716.44 -32817716.38 0.3610 0.3176

Mercury -94561-09-21 08:23 J -32816718.22 -32816718.15 -32816718.07 0.3787 0.2709

Mercury -94555-04-07 02:23 J -32814694.49 -32814694.40 -32814694.31 0.3784 0.1963

Mercury -94550-10-21 20:23 J -32812670.75 -32812670.65 -32812670.54 0.3782 0.1213

Mercury -94544-05-06 14:51 J -32810646.99 -32810646.88 -32810646.77 0.3779 0.0432

Mercury -94540-05-04 22:18 J -32809187.62 -32809187.57 -32809187.51 0.3592 0.3269

Mercury -94539-11-20 09:20 J -32808623.22 -32808623.11 -32808623.00 0.3776 0.0403

Mercury -94535-11-18 23:59 J -32807163.62 -32807163.50 -32807163.39 0.3595 0.2034

Mercury -94533-06-05 04:03 J -32806599.44 -32806599.33 -32806599.23 0.3772 0.1221

Mercury -94529-06-04 01:11 J -32805139.59 -32805139.45 -32805139.32 0.3598 0.0839

Mercury -94528-12-19 22:47 J -32804575.64 -32804575.55 -32804575.45 0.3769 0.2059

Mercury -94524-12-19 01:39 J -32803115.56 -32803115.43 -32803115.29 0.3601 0.0311

Mercury -94522-07-05 17:59 J -32802551.82 -32802551.75 -32802551.68 0.3766 0.2929

Mercury -94518-07-05 01:54 J -32801091.54 -32801091.42 -32801091.30 0.3604 0.1401

Mercury -94512-01-18 01:39 J -32799067.53 -32799067.43 -32799067.33 0.3608 0.2445

Mercury -94510-10-13 12:42 J -32798069.02 -32798068.97 -32798068.91 0.3788 0.3221

Mercury -94507-08-04 00:56 J -32797043.50 -32797043.46 -32797043.42 0.3611 0.3438

Mercury -94504-04-28 06:27 J -32796045.31 -32796045.23 -32796045.15 0.3786 0.2501

Mercury -94499-11-12 00:27 J -32794021.57 -32794021.48 -32794021.38 0.3783 0.1755

Mercury -94493-05-27 18:42 J -32791997.83 -32791997.72 -32791997.61 0.3781 0.0987

Mercury -94488-12-11 12:56 J -32789974.07 -32789973.96 -32789973.85 0.3778 0.0230

Mercury -94484-12-09 22:32 J -32788514.64 -32788514.56 -32788514.48 0.3593 0.2919

Mercury -94482-06-27 07:39 J -32787950.29 -32787950.18 -32787950.07 0.3775 0.0623

Mercury -94478-06-25 23:59 J -32786490.62 -32786490.50 -32786490.37 0.3596 0.1694

Mercury -94476-01-10 02:23 J -32785926.51 -32785926.40 -32785926.30 0.3771 0.1444

Mercury -94472-01-09 01:11 J -32784466.59 -32784466.45 -32784466.32 0.3599 0.0523

Mercury -94471-07-26 21:20 J -32783902.70 -32783902.61 -32783902.52 0.3768 0.2294

Mercury -94467-07-26 01:39 J -32782442.57 -32782442.43 -32782442.30 0.3602 0.0622

Mercury -94465-02-09 16:32 J -32781878.87 -32781878.81 -32781878.75 0.3765 0.3169

Mercury -94461-02-09 01:39 J -32780418.55 -32780418.43 -32780418.31 0.3605 0.1690

Mercury -94459-11-03 17:01 J -32779419.80 -32779419.79 -32779419.77 0.3790 0.3726

Mercury -94456-08-25 01:11 J -32778394.53 -32778394.45 -32778394.36 0.3609 0.2721

Mercury -94453-05-19 10:47 J -32777396.11 -32777396.05 -32777395.99 0.3788 0.3018

Mercury -94448-12-03 04:32 J -32775372.39 -32775372.31 -32775372.22 0.3785 0.2297

Mercury -94442-06-18 22:47 J -32773348.65 -32773348.55 -32773348.46 0.3783 0.1547

Mercury -94436-01-01 16:47 J -32771324.90 -32771324.80 -32771324.69 0.3780 0.0781

Mercury -94431-07-18 11:15 J -32769301.14 -32769301.03 -32769300.92 0.3777 0.0021

Mercury -94427-07-16 22:47 J -32767841.65 -32767841.55 -32767841.46 0.3594 0.2575

Mercury -94425-02-01 05:44 J -32767277.36 -32767277.26 -32767277.15 0.3774 0.0853

Mercury -94421-01-31 00:13 J -32765817.62 -32765817.49 -32765817.37 0.3597 0.1361

Mercury -94420-08-17 00:42 J -32765253.57 -32765253.47 -32765253.37 0.3771 0.1671

Mercury -94416-08-16 00:56 J -32763793.59 -32763793.46 -32763793.32 0.3600 0.0204

Mercury -94414-03-02 19:39 J -32763229.76 -32763229.68 -32763229.60 0.3767 0.2526

Mercury -94410-03-02 01:25 J -32761769.57 -32761769.44 -32761769.31 0.3603 0.0913

Mercury -94409-09-15 14:51 J -32761205.92 -32761205.88 -32761205.83 0.3764 0.3403

Mercury -94405-09-15 01:25 J -32759745.55 -32759745.44 -32759745.33 0.3606 0.1974

Mercury -94402-06-10 15:06 J -32758746.91 -32758746.87 -32758746.83 0.3789 0.3524

Mercury -94399-04-01 00:42 J -32757721.54 -32757721.47 -32757721.40 0.3610 0.2977

Mercury -94397-12-24 08:51 J -32756723.20 -32756723.13 -32756723.06 0.3787 0.2815

Mercury -94391-07-10 02:51 J -32754699.47 -32754699.38 -32754699.29 0.3784 0.2088

Mercury -94385-01-23 20:51 J -32752675.73 -32752675.63 -32752675.53 0.3782 0.1328

Mercury -94380-08-08 15:06 J -32750651.98 -32750651.87 -32750651.76 0.3779 0.0555

Mercury -94376-08-06 21:06 J -32749192.65 -32749192.62 -32749192.58 0.3592 0.3480

Mercury -94374-02-22 09:35 J -32748628.21 -32748628.10 -32748627.99 0.3776 0.0261

Mercury -94370-02-20 22:47 J -32747168.65 -32747168.55 -32747168.44 0.3595 0.2239

Mercury -94369-09-07 04:03 J -32746604.43 -32746604.33 -32746604.22 0.3773 0.1062

Mercury -94365-09-06 00:13 J -32745144.62 -32745144.49 -32745144.36 0.3598 0.1041

Mercury -94363-03-23 23:01 J -32744580.64 -32744580.54 -32744580.44 0.3770 0.1898

Mercury -94359-03-23 00:42 J -32743120.60 -32743120.47 -32743120.33 0.3601 0.0146

Mercury -94358-10-07 17:59 J -32742556.82 -32742556.75 -32742556.67 0.3766 0.2755

Mercury -94354-10-07 01:11 J -32741096.58 -32741096.45 -32741096.33 0.3604 0.1203

Mercury -94352-04-22 13:25 J -32740532.97 -32740532.94 -32740532.92 0.3763 0.3641

Mercury -94348-04-22 00:56 J -32739072.57 -32739072.46 -32739072.36 0.3607 0.2241

Mercury -94345-01-15 13:11 J -32738074.00 -32738073.95 -32738073.90 0.3788 0.3325

Mercury -94343-11-06 00:13 J -32737048.54 -32737048.49 -32737048.43 0.3611 0.3239

Mercury -94340-07-31 06:56 J -32736050.29 -32736050.21 -32736050.13 0.3786 0.2611

Mercury -94334-02-14 00:56 J -32734026.56 -32734026.46 -32734026.37 0.3784 0.1879

Mercury -94329-08-29 18:56 J -32732002.81 -32732002.71 -32732002.60 0.3781 0.1118

Mercury -94323-03-15 13:11 J -32729979.06 -32729978.95 -32729978.84 0.3778 0.0361

Mercury -94319-03-13 21:20 J -32728519.67 -32728519.61 -32728519.54 0.3593 0.3137

Mercury -94318-09-29 07:39 J -32727955.29 -32727955.18 -32727955.07 0.3775 0.0468

Mercury -94314-09-27 23:01 J -32726495.66 -32726495.54 -32726495.42 0.3595 0.1899

Mercury -94312-04-14 02:23 J -32725931.50 -32725931.40 -32725931.29 0.3772 0.1286

Mercury -94308-04-12 23:59 J -32724471.63 -32724471.50 -32724471.37 0.3598 0.0731

Mercury -94307-10-28 21:20 J -32723907.70 -32723907.61 -32723907.52 0.3769 0.2123

Mercury -94303-10-28 00:42 J -32722447.61 -32722447.47 -32722447.34 0.3602 0.0408

Mercury -94301-05-13 16:32 J -32721883.88 -32721883.81 -32721883.75 0.3765 0.2988

Mercury -94297-05-13 00:42 J -32720423.59 -32720423.47 -32720423.35 0.3605 0.1483

Mercury -94292-11-27 00:27 J -32718399.57 -32718399.48 -32718399.39 0.3608 0.2511

Mercury -94289-08-21 11:15 J -32717401.09 -32717401.03 -32717400.98 0.3788 0.3130

Mercury -94286-06-12 23:44 J -32716375.54 -32716375.51 -32716375.48 0.3612 0.3494

Mercury -94283-03-07 05:01 J -32715377.37 -32715377.29 -32715377.21 0.3786 0.2407

Mercury -94278-09-20 23:01 J -32713353.64 -32713353.54 -32713353.45 0.3783 0.1675

Mercury -94272-04-05 17:01 J -32711329.89 -32711329.79 -32711329.68 0.3780 0.0915

Mercury -94267-10-20 11:30 J -32709306.13 -32709306.02 -32709305.91 0.3777 0.0154

Mercury -94263-10-18 21:35 J -32707846.69 -32707846.60 -32707846.51 0.3593 0.2791

Mercury -94261-05-05 05:59 J -32707282.36 -32707282.25 -32707282.14 0.3774 0.0681

Mercury -94257-05-03 23:01 J -32705822.66 -32705822.54 -32705822.42 0.3596 0.1578

Mercury -94256-11-19 00:42 J -32705258.57 -32705258.47 -32705258.36 0.3771 0.1508

Mercury -94252-11-17 23:59 J -32703798.64 -32703798.50 -32703798.36 0.3599 0.0418

Mercury -94250-06-04 19:39 J -32703234.76 -32703234.68 -32703234.59 0.3768 0.2357

Mercury -94246-06-04 00:27 J -32701774.61 -32701774.48 -32701774.35 0.3602 0.0702

Mercury -94245-12-18 14:51 J -32701210.93 -32701210.88 -32701210.82 0.3764 0.3224

Mercury -94241-12-18 00:27 J -32699750.59 -32699750.48 -32699750.36 0.3606 0.1764

Mercury -94238-09-12 15:35 J -32698751.88 -32698751.85 -32698751.83 0.3790 0.3636

Mercury -94235-07-03 23:59 J -32697726.58 -32697726.50 -32697726.41 0.3609 0.2781

Mercury -94232-03-28 09:06 J -32696728.18 -32696728.12 -32696728.05 0.3787 0.2931

Mercury -94227-10-12 03:06 J -32694704.46 -32694704.37 -32694704.29 0.3785 0.2208

Mercury -94221-04-26 21:06 J -32692680.72 -32692680.62 -32692680.52 0.3782 0.1460

Mercury -94216-11-10 15:20 J -32690656.97 -32690656.86 -32690656.75 0.3779 0.0698

Mercury -94210-05-27 09:35 J -32688633.21 -32688633.10 -32688632.98 0.3776 0.0186

Mercury -94206-05-25 21:49 J -32687173.69 -32687173.59 -32687173.49 0.3594 0.2452

Mercury -94205-12-10 04:18 J -32686609.43 -32686609.32 -32686609.21 0.3773 0.0899

Mercury -94201-12-08 23:01 J -32685149.67 -32685149.54 -32685149.41 0.3597 0.1257

Mercury -94199-06-25 23:01 J -32684585.64 -32684585.54 -32684585.44 0.3770 0.1740

Mercury -94195-06-24 23:59 J -32683125.64 -32683125.50 -32683125.37 0.3600 0.0117

Mercury -94193-01-09 18:13 J -32682561.82 -32682561.74 -32682561.66 0.3766 0.2585

Mercury -94189-01-09 00:13 J -32681101.62 -32681101.49 -32681101.36 0.3603 0.0996

Mercury -94188-07-25 13:25 J -32680537.98 -32680537.94 -32680537.90 0.3763 0.3458

Mercury -94184-07-25 00:13 J -32679077.60 -32679077.49 -32679077.38 0.3607 0.2043

Mercury -94181-04-18 13:25 J -32678078.98 -32678078.94 -32678078.89 0.3789 0.3438

Mercury -94178-02-07 23:44 J -32677053.58 -32677053.51 -32677053.44 0.3611 0.3043

Mercury -94176-11-02 07:11 J -32676055.27 -32676055.20 -32676055.12 0.3787 0.2730

Mercury -94170-05-19 01:11 J -32674031.54 -32674031.45 -32674031.36 0.3784 0.2004

Mercury -94165-12-01 19:11 J -32672007.80 -32672007.70 -32672007.60 0.3781 0.1254

Mercury -94159-06-17 13:25 J -32669984.05 -32669983.94 -32669983.83 0.3778 0.0487

Mercury -94155-06-15 20:08 J -32668524.70 -32668524.66 -32668524.61 0.3592 0.3356

Mercury -94153-01-01 07:54 J -32667960.28 -32667960.17 -32667960.06 0.3776 0.0321

Mercury -94150-12-30 21:49 J -32666500.70 -32666500.59 -32666500.47 0.3595 0.2122

Mercury -94148-07-17 02:37 J -32665936.50 -32665936.39 -32665936.28 0.3772 0.1123

Mercury -94144-07-15 23:01 J -32664476.67 -32664476.54 -32664476.41 0.3598 0.0940

Mercury -94142-01-30 21:35 J -32663912.70 -32663912.60 -32663912.51 0.3769 0.1963

Mercury -94138-01-29 23:44 J -32662452.64 -32662452.51 -32662452.37 0.3601 0.0217

Mercury -94137-08-15 16:32 J -32661888.88 -32661888.81 -32661888.73 0.3766 0.2817

Mercury -94133-08-14 23:59 J -32660428.62 -32660428.50 -32660428.37 0.3604 0.1280

Mercury -94131-03-01 11:59 J -32659865.02 -32659865.00 -32659864.98 0.3762 0.3692

Mercury -94127-02-28 23:44 J -32658404.61 -32658404.51 -32658404.41 0.3608 0.2314

Mercury -94125-11-23 11:30 J -32657406.07 -32657406.02 -32657405.97 0.3788 0.3243

Mercury -94122-09-14 23:15 J -32656380.58 -32656380.53 -32656380.48 0.3612 0.3299

Mercury -94119-06-09 05:15 J -32655382.36 -32655382.28 -32655382.20 0.3786 0.2528

Mercury -94114-12-23 23:15 J -32653358.63 -32653358.53 -32653358.44 0.3783 0.1797

Mercury -94108-07-08 17:15 J -32651334.88 -32651334.78 -32651334.67 0.3780 0.1056

Mercury -94102-01-22 11:44 J -32649311.12 -32649311.01 -32649310.90 0.3778 0.0267

Mercury -94098-01-20 20:37 J -32647851.72 -32647851.64 -32647851.57 0.3593 0.3009

Mercury -94097-08-07 06:13 J -32647287.35 -32647287.24 -32647287.13 0.3775 0.0529

Mercury -94093-08-05 22:03 J -32645827.70 -32645827.58 -32645827.46 0.3596 0.1792

Mercury -94091-02-21 00:56 J -32645263.56 -32645263.46 -32645263.35 0.3771 0.1348

Mercury -94087-02-19 23:01 J -32643803.67 -32643803.54 -32643803.40 0.3599 0.0629

Mercury -94086-09-06 19:54 J -32643239.76 -32643239.67 -32643239.58 0.3768 0.2185

Mercury -94082-09-05 23:44 J -32641779.65 -32641779.51 -32641779.38 0.3602 0.0499

Mercury -94080-03-22 15:06 J -32641215.94 -32641215.87 -32641215.81 0.3764 0.3046

Mercury -94076-03-21 23:44 J -32639755.63 -32639755.51 -32639755.39 0.3606 0.1557

Mercury -94074-12-15 15:49 J -32638756.85 -32638756.84 -32638756.83 0.3790 0.3742

Mercury -94071-10-05 23:30 J -32637731.61 -32637731.52 -32637731.43 0.3609 0.2581

Mercury -94068-06-30 09:35 J -32636733.16 -32636733.10 -32636733.04 0.3787 0.3044

Mercury -94065-04-20 22:32 J -32635707.58 -32635707.56 -32635707.54 0.3613 0.3543

Mercury -94062-01-14 03:20 J -32634709.44 -32634709.36 -32634709.27 0.3785 0.2327

Mercury -94057-07-29 21:20 J -32632685.71 -32632685.61 -32632685.51 0.3783 0.1592

Mercury -94051-02-12 15:35 J -32630661.96 -32630661.85 -32630661.74 0.3780 0.0832

Mercury -94046-08-29 09:49 J -32628638.20 -32628638.09 -32628637.97 0.3777 0.0165

Mercury -94042-08-27 20:37 J -32627178.73 -32627178.64 -32627178.54 0.3594 0.2671

Mercury -94040-03-14 04:32 J -32626614.42 -32626614.31 -32626614.20 0.3774 0.0749

Mercury -94036-03-12 22:03 J -32625154.71 -32625154.58 -32625154.45 0.3597 0.1474

Mercury -94035-09-27 23:15 J -32624590.63 -32624590.53 -32624590.43 0.3771 0.1566

Mercury -94031-09-26 23:01 J -32623130.68 -32623130.54 -32623130.40 0.3600 0.0316

Mercury -94029-04-12 18:13 J -32622566.82 -32622566.74 -32622566.65 0.3767 0.2414

Mercury -94025-04-11 23:15 J -32621106.66 -32621106.53 -32621106.39 0.3603 0.0783

Mercury -94024-10-27 13:25 J -32620542.99 -32620542.94 -32620542.88 0.3763 0.3274

Mercury -94020-10-26 23:30 J -32619082.64 -32619082.52 -32619082.41 0.3607 0.1838

Mercury -94017-07-21 13:54 J -32618083.96 -32618083.92 -32618083.89 0.3789 0.3547

Mercury -94014-05-12 23:01 J -32617058.62 -32617058.54 -32617058.46 0.3610 0.2837

Mercury -94011-02-04 07:39 J -32616060.25 -32616060.18 -32616060.11 0.3787 0.2846

Mercury -94006-08-21 01:25 J -32614036.53 -32614036.44 -32614036.35 0.3785 0.2127

94TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 94th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-94000-03-05 19:25 J	-32612012.79	-32612012.69	-32612012.58	0.3782	0.1393		
Mercury	-93995-09-19 13:39 J	-32609989.04	-32609988.93	-32609988.82	0.3779	0.0633		
Mercury	-93991-09-17 19:11 J	-32608529.71	-32608529.70	-32608529.69	0.3592	0.3571		
Mercury	-93989-04-04 08:08 J	-32607965.27	-32607965.16	-32607965.05	0.3776	0.0175		
Mercury	-93985-04-02 20:51 J	-32606505.74	-32606505.63	-32606505.53	0.3595	0.2347		
Mercury	-93984-10-19 02:51 J	-32605941.49	-32605941.38	-32605941.28	0.3773	0.0970		
Mercury	-93980-10-17 22:03 J	-32604481.71	-32604481.58	-32604481.45	0.3598	0.1155		

Mercury -93978-05-04 21:35 J -32603917.70 -32603917.60 -32603917.50 0.3770 0.1790

Mercury -93974-05-03 22:47 J -32602457.68 -32602457.55 -32602457.41 0.3601 0.0063

Mercury -93973-11-17 16:47 J -32601893.88 -32601893.80 -32601893.72 0.3766 0.2640

Mercury -93969-11-16 23:15 J -32600433.66 -32600433.53 -32600433.41 0.3604 0.1069

Mercury -93967-06-03 11:59 J -32599870.04 -32599870.00 -32599869.96 0.3762 0.3504

Mercury -93963-06-02 23:01 J -32598409.65 -32598409.54 -32598409.43 0.3607 0.2103

Mercury -93960-02-25 11:59 J -32597411.05 -32597411.00 -32597410.96 0.3788 0.3354

Mercury -93958-12-17 22:32 J -32596385.63 -32596385.56 -32596385.50 0.3611 0.3093

Mercury -93955-09-11 05:44 J -32595387.34 -32595387.26 -32595387.19 0.3786 0.2655

Mercury -93949-03-26 23:30 J -32593363.61 -32593363.52 -32593363.42 0.3784 0.1927

Mercury -93944-10-10 17:44 J -32591339.87 -32591339.76 -32591339.66 0.3781 0.1193

Mercury -93938-04-26 11:59 J -32589316.11 -32589316.00 -32589315.89 0.3778 0.0420

Mercury -93934-04-24 19:11 J -32587856.75 -32587856.70 -32587856.64 0.3592 0.3238

Mercury -93933-11-09 06:27 J -32587292.34 -32587292.23 -32587292.12 0.3775 0.0386

Mercury -93929-11-07 20:51 J -32585832.74 -32585832.63 -32585832.51 0.3596 0.2020

Mercury -93927-05-26 01:11 J -32585268.56 -32585268.45 -32585268.35 0.3772 0.1190

Mercury -93923-05-24 22:03 J -32583808.71 -32583808.58 -32583808.45 0.3598 0.0845

Mercury -93922-12-09 19:54 J -32583244.76 -32583244.67 -32583244.57 0.3768 0.2012

Mercury -93918-12-08 22:47 J -32581784.69 -32581784.55 -32581784.42 0.3602 0.0298

Mercury -93916-06-24 15:06 J -32581220.94 -32581220.87 -32581220.80 0.3765 0.2865

Mercury -93912-06-23 23:01 J -32579760.67 -32579760.54 -32579760.42 0.3605 0.1350

Mercury -93910-01-08 10:32 J -32579197.07 -32579197.06 -32579197.05 0.3761 0.3737

Mercury -93906-01-07 22:32 J -32577736.65 -32577736.56 -32577736.46 0.3608 0.2372

Mercury -93904-10-02 09:49 J -32576738.15 -32576738.09 -32576738.03 0.3788 0.3164

Mercury -93901-07-23 22:03 J -32575712.63 -32575712.58 -32575712.54 0.3612 0.3345

Mercury -93898-04-18 03:35 J -32574714.43 -32574714.35 -32574714.26 0.3786 0.2457

Mercury -93893-10-31 21:35 J -32572690.69 -32572690.60 -32572690.50 0.3783 0.1727

Mercury -93887-05-17 15:49 J -32570666.95 -32570666.84 -32570666.74 0.3780 0.0977

Mercury -93882-12-01 10:03 J -32568643.19 -32568643.08 -32568642.97 0.3777 0.0221

Mercury -93878-11-29 19:25 J -32567183.77 -32567183.69 -32567183.61 0.3593 0.2902

Mercury -93876-06-16 04:47 J -32566619.42 -32566619.30 -32566619.19 0.3774 0.0611

Mercury -93872-06-14 21:06 J -32565159.74 -32565159.62 -32565159.50 0.3596 0.1698

Mercury -93871-12-30 23:30 J -32564595.63 -32564595.52 -32564595.42 0.3771 0.1406

Mercury -93867-12-29 22:03 J -32563135.72 -32563135.58 -32563135.45 0.3599 0.0540

Mercury -93865-07-15 18:27 J -32562571.82 -32562571.73 -32562571.64 0.3767 0.2239

Mercury -93861-07-14 22:32 J -32561111.69 -32561111.56 -32561111.43 0.3603 0.0566

Mercury -93859-01-29 13:39 J -32560548.00 -32560547.93 -32560547.87 0.3764 0.3096

Mercury -93855-01-28 22:47 J -32559087.67 -32559087.55 -32559087.44 0.3606 0.1628

Mercury -93853-10-23 14:08 J -32558088.93 -32558088.91 -32558088.88 0.3789 0.3662

Mercury -93850-08-14 22:18 J -32557063.66 -32557063.57 -32557063.48 0.3609 0.2632

Mercury -93847-05-09 07:54 J -32556065.24 -32556065.17 -32556065.10 0.3787 0.2970

Mercury -93844-02-27 21:35 J -32555039.61 -32555039.60 -32555039.59 0.3613 0.3593

Mercury -93842-11-23 01:39 J -32554041.51 -32554041.43 -32554041.34 0.3785 0.2261

Mercury -93836-06-07 19:54 J -32552017.77 -32552017.67 -32552017.58 0.3782 0.1530

Mercury -93831-12-22 13:54 J -32549994.02 -32549993.92 -32549993.81 0.3779 0.0779

Mercury -93825-07-07 08:23 J -32547970.26 -32547970.15 -32547970.04 0.3776 0.0008

Mercury -93821-07-05 19:39 J -32546510.77 -32546510.68 -32546510.58 0.3594 0.2568

Mercury -93819-01-21 03:06 J -32545946.48 -32545946.37 -32545946.27 0.3773 0.0822

Mercury -93815-01-19 21:06 J -32544486.75 -32544486.62 -32544486.49 0.3597 0.1375

Mercury -93814-08-06 21:49 J -32543922.69 -32543922.59 -32543922.49 0.3770 0.1623

Mercury -93810-08-05 22:03 J -32542462.72 -32542462.58 -32542462.45 0.3600 0.0268

Mercury -93808-02-19 16:47 J -32541898.88 -32541898.80 -32541898.71 0.3766 0.2463

Mercury -93804-02-18 22:18 J -32540438.70 -32540438.57 -32540438.44 0.3604 0.0861

Mercury -93803-09-05 11:59 J -32539875.05 -32539875.00 -32539874.95 0.3763 0.3324

Mercury -93799-09-04 22:18 J -32538414.68 -32538414.57 -32538414.46 0.3607 0.1896

Mercury -93796-05-30 12:13 J -32537416.03 -32537415.99 -32537415.95 0.3789 0.3469

Mercury -93793-03-20 21:49 J -32536390.67 -32536390.59 -32536390.51 0.3611 0.2887

Mercury -93791-12-14 05:59 J -32535392.32 -32535392.25 -32535392.18 0.3786 0.2775

Mercury -93785-06-28 23:59 J -32533368.60 -32533368.50 -32533368.41 0.3784 0.2061

Mercury -93779-01-12 17:59 J -32531344.85 -32531344.75 -32531344.65 0.3781 0.1319

Mercury -93774-07-29 12:13 J -32529321.10 -32529320.99 -32529320.88 0.3778 0.0560

Mercury -93770-07-27 18:13 J -32527861.78 -32527861.74 -32527861.71 0.3592 0.3459

Mercury -93768-02-11 06:42 J -32527297.33 -32527297.22 -32527297.11 0.3775 0.0237

Mercury -93764-02-09 19:54 J -32525837.78 -32525837.67 -32525837.56 0.3595 0.2237

Mercury -93763-08-28 01:11 J -32525273.55 -32525273.45 -32525273.34 0.3772 0.1035

Mercury -93759-08-26 21:06 J -32523813.75 -32523813.62 -32523813.49 0.3598 0.1064

Mercury -93757-03-12 20:08 J -32523249.76 -32523249.66 -32523249.56 0.3769 0.1844

Mercury -93753-03-11 21:49 J -32521789.72 -32521789.59 -32521789.45 0.3601 0.0066

Mercury -93752-09-26 15:06 J -32521225.94 -32521225.87 -32521225.79 0.3765 0.2688

Mercury -93748-09-25 22:03 J -32519765.70 -32519765.58 -32519765.45 0.3605 0.1144

Mercury -93746-04-12 10:32 J -32519202.09 -32519202.06 -32519202.02 0.3762 0.3553

Mercury -93742-04-11 21:49 J -32517741.69 -32517741.59 -32517741.48 0.3608 0.2157

Mercury -93739-01-04 10:18 J -32516743.12 -32516743.07 -32516743.02 0.3788 0.3278

Mercury -93737-10-25 21:20 J -32515717.67 -32515717.61 -32515717.55 0.3612 0.3140

Mercury -93734-07-21 04:03 J -32514719.41 -32514719.33 -32514719.25 0.3786 0.2578

Mercury -93728-02-02 22:03 J -32512695.68 -32512695.58 -32512695.49 0.3783 0.1856

Mercury -93723-08-19 16:03 J -32510671.93 -32510671.83 -32510671.72 0.3781 0.1116

Mercury -93717-03-04 10:18 J -32508648.18 -32508648.07 -32508647.96 0.3778 0.0382

Mercury -93713-03-02 18:27 J -32507188.80 -32507188.73 -32507188.67 0.3593 0.3125

Mercury -93712-09-18 04:47 J -32506624.41 -32506624.30 -32506624.19 0.3775 0.0453

Mercury -93708-09-16 20:08 J -32505164.78 -32505164.66 -32505164.55 0.3596 0.1916

Mercury -93706-04-03 23:30 J -32504600.62 -32504600.52 -32504600.41 0.3771 0.1246

Mercury -93702-04-02 21:06 J -32503140.76 -32503140.62 -32503140.49 0.3599 0.0769

Mercury -93701-10-17 18:27 J -32502576.82 -32502576.73 -32502576.64 0.3768 0.2061

Mercury -93697-10-16 21:49 J -32501116.73 -32501116.59 -32501116.46 0.3602 0.0368

Mercury -93695-05-03 13:39 J -32500553.00 -32500552.93 -32500552.86 0.3764 0.2910

Mercury -93691-05-02 21:49 J -32499092.72 -32499092.59 -32499092.47 0.3606 0.1405

Mercury -93688-01-25 14:37 J -32498093.89 -32498093.89 -32498093.88 0.3790 0.3771

Mercury -93686-11-16 21:35 J -32497068.70 -32497068.60 -32497068.51 0.3609 0.2420

Mercury -93683-08-11 08:23 J -32496070.21 -32496070.15 -32496070.09 0.3787 0.3090

Mercury -93680-06-01 20:51 J -32495044.68 -32495044.63 -32495044.59 0.3613 0.3383

Mercury -93677-02-25 02:08 J -32494046.49 -32494046.41 -32494046.33 0.3785 0.2383

Mercury -93672-09-09 20:08 J -32492022.76 -32492022.66 -32492022.57 0.3783 0.1661

Mercury -93666-03-26 14:23 J -32489999.01 -32489998.90 -32489998.80 0.3780 0.0921

Mercury -93661-10-09 08:37 J -32487975.25 -32487975.14 -32487975.03 0.3777 0.0167

Mercury -93657-10-07 18:42 J -32486515.81 -32486515.72 -32486515.64 0.3594 0.2794

Mercury -93655-04-25 03:06 J -32485951.48 -32485951.37 -32485951.26 0.3774 0.0646

Mercury -93651-04-23 19:54 J -32484491.79 -32484491.67 -32484491.54 0.3597 0.1610

Mercury -93650-11-08 21:49 J -32483927.69 -32483927.59 -32483927.48 0.3770 0.1452

Mercury -93646-11-07 20:51 J -32482467.76 -32482467.63 -32482467.49 0.3600 0.0475

Mercury -93644-05-24 16:47 J -32481903.89 -32481903.80 -32481903.71 0.3767 0.2283

Mercury -93640-05-23 21:35 J -32480443.74 -32480443.60 -32480443.47 0.3603 0.0644

Mercury -93639-12-08 11:59 J -32479880.06 -32479880.00 -32479879.94 0.3763 0.3134

Mercury -93635-12-07 21:20 J -32478419.72 -32478419.61 -32478419.49 0.3607 0.1680

Mercury -93632-09-01 12:42 J -32477421.00 -32477420.97 -32477420.94 0.3789 0.3589

Mercury -93629-06-22 21:06 J -32476395.71 -32476395.62 -32476395.53 0.3610 0.2675

Mercury -93626-03-18 06:13 J -32475397.30 -32475397.24 -32475397.17 0.3787 0.2901

Mercury -93621-10-01 00:13 J -32473373.58 -32473373.49 -32473373.41 0.3784 0.2194

Mercury -93615-04-16 18:13 J -32471349.84 -32471349.74 -32471349.64 0.3782 0.1459

Mercury -93610-10-31 12:27 J -32469326.09 -32469325.98 -32469325.87 0.3779 0.0715

Mercury -93604-05-16 06:42 J -32467302.33 -32467302.22 -32467302.10 0.3776 0.0161

Mercury -93600-05-14 18:42 J -32465842.82 -32465842.72 -32465842.62 0.3595 0.2472

Mercury -93599-11-30 01:25 J -32465278.55 -32465278.44 -32465278.33 0.3773 0.0854

Mercury -93595-11-28 19:54 J -32463818.79 -32463818.67 -32463818.54 0.3598 0.1304

Mercury -93593-06-14 20:08 J -32463254.76 -32463254.66 -32463254.55 0.3769 0.1677

Mercury -93589-06-13 20:51 J -32461794.76 -32461794.63 -32461794.49 0.3601 0.0182

Mercury -93588-12-29 15:20 J -32461230.95 -32461230.86 -32461230.78 0.3766 0.2503

Mercury -93584-12-28 21:20 J -32459770.74 -32459770.61 -32459770.48 0.3604 0.0919

Mercury -93582-07-15 10:32 J -32459207.11 -32459207.06 -32459207.01 0.3762 0.3361

Mercury -93578-07-14 21:06 J -32457746.73 -32457746.62 -32457746.51 0.3608 0.1947

Mercury -93575-04-08 10:32 J -32456748.10 -32456748.06 -32456748.01 0.3789 0.3402

Mercury -93572-01-27 20:37 J -32455722.71 -32455722.64 -32455722.56 0.3611 0.2930

Mercury -93570-10-23 04:18 J -32454724.39 -32454724.32 -32454724.24 0.3786 0.2708

Mercury -93564-05-07 22:18 J -32452700.66 -32452700.57 -32452700.48 0.3784 0.1995

Mercury -93559-11-21 16:18 J -32450676.92 -32450676.82 -32450676.72 0.3781 0.1261

Mercury -93553-06-06 10:32 J -32448653.17 -32448653.06 -32448652.95 0.3778 0.0511

Mercury -93549-06-04 17:15 J -32447193.83 -32447193.78 -32447193.73 0.3593 0.3361

Mercury -93548-12-21 05:01 J -32446629.40 -32446629.29 -32446629.18 0.3775 0.0279

Mercury -93544-12-19 18:56 J -32445169.82 -32445169.71 -32445169.60 0.3595 0.2148

Mercury -93542-07-06 23:44 J -32444605.62 -32444605.51 -32444605.40 0.3772 0.1070

Mercury -93538-07-05 20:08 J -32443145.79 -32443145.66 -32443145.53 0.3599 0.0990

Mercury -93536-01-19 18:42 J -32442581.82 -32442581.72 -32442581.63 0.3768 0.1892

Mercury -93532-01-18 20:51 J -32441121.77 -32441121.63 -32441121.49 0.3602 0.0131

Mercury -93531-08-05 13:39 J -32440558.00 -32440557.93 -32440557.85 0.3765 0.2730

Mercury -93527-08-04 21:06 J -32439097.75 -32439097.62 -32439097.50 0.3605 0.1195

Mercury -93525-02-19 09:06 J -32438534.15 -32438534.12 -32438534.09 0.3761 0.3590

Mercury -93521-02-18 20:51 J -32437073.73 -32437073.63 -32437073.53 0.3609 0.2210

Mercury -93519-11-13 08:37 J -32436075.19 -32436075.14 -32436075.09 0.3788 0.3213

Mercury -93516-09-03 20:08 J -32435049.72 -32435049.66 -32435049.60 0.3612 0.3180

Mercury -93513-05-29 02:23 J -32434051.48 -32434051.40 -32434051.32 0.3785 0.2515

Mercury -93508-12-12 20:23 J -32432027.75 -32432027.65 -32432027.55 0.3783 0.1798

Mercury -93502-06-28 14:37 J -32430004.00 -32430003.89 -32430003.79 0.3780 0.1064

Mercury -93496-01-11 08:51 J -32427980.24 -32427980.13 -32427980.02 0.3777 0.0296

Mercury -93492-01-09 17:30 J -32426520.84 -32426520.77 -32426520.70 0.3593 0.3026

Mercury -93491-07-28 03:20 J -32425956.47 -32425956.36 -32425956.25 0.3774 0.0484

Mercury -93487-07-26 18:56 J -32424496.83 -32424496.71 -32424496.59 0.3596 0.1833

Mercury -93485-02-10 22:03 J -32423932.68 -32423932.58 -32423932.47 0.3771 0.1288

Mercury -93481-02-09 20:08 J -32422472.79 -32422472.66 -32422472.53 0.3599 0.0683

Mercury -93480-08-26 17:01 J -32421908.88 -32421908.79 -32421908.70 0.3767 0.2108

Mercury -93476-08-25 20:37 J -32420448.77 -32420448.64 -32420448.50 0.3603 0.0419

Mercury -93474-03-12 12:13 J -32419885.06 -32419884.99 -32419884.92 0.3764 0.2952

Mercury -93470-03-11 20:51 J -32418424.76 -32418424.63 -32418424.51 0.3606 0.1467

Mercury -93468-12-04 12:56 J -32417425.98 -32417425.96 -32417425.94 0.3789 0.3708

Mercury -93465-09-24 20:23 J -32416400.74 -32416400.65 -32416400.55 0.3610 0.2470

Mercury -93462-06-20 06:42 J -32415402.28 -32415402.22 -32415402.16 0.3787 0.3022

Mercury -93459-04-10 19:39 J -32414376.72 -32414376.68 -32414376.64 0.3613 0.3417

Mercury -93456-01-03 00:27 J -32413378.56 -32413378.48 -32413378.39 0.3785 0.2323

Mercury -93451-07-19 18:27 J -32411354.83 -32411354.73 -32411354.63 0.3782 0.1601

Mercury -93445-02-02 12:42 J -32409331.08 -32409330.97 -32409330.86 0.3779 0.0854

Mercury -93440-08-18 07:11 J -32407307.31 -32407307.20 -32407307.09 0.3776 0.0157

Mercury -93436-08-16 17:44 J -32405847.85 -32405847.76 -32405847.67 0.3594 0.2699

Mercury -93434-03-04 01:39 J -32405283.54 -32405283.43 -32405283.32 0.3773 0.0694

Mercury -93430-03-02 19:11 J -32403823.83 -32403823.70 -32403823.58 0.3597 0.1524

Mercury -93429-09-16 20:23 J -32403259.75 -32403259.65 -32403259.55 0.3770 0.1500

Mercury -93425-09-15 20:08 J -32401799.80 -32401799.66 -32401799.53 0.3600 0.0399

Mercury -93423-04-02 15:20 J -32401235.95 -32401235.86 -32401235.77 0.3766 0.2328

Mercury -93419-04-01 20:23 J -32399775.78 -32399775.65 -32399775.52 0.3604 0.0689

Mercury -93418-10-17 10:32 J -32399212.12 -32399212.06 -32399212.00 0.3763 0.3170

Mercury -93414-10-16 20:23 J -32397751.76 -32397751.65 -32397751.53 0.3607 0.1734

Mercury -93411-07-11 11:01 J -32396753.08 -32396753.04 -32396753.00 0.3789 0.3522

Mercury -93408-05-01 19:54 J -32395727.76 -32395727.67 -32395727.58 0.3611 0.2711

Mercury -93405-01-25 04:47 J -32394729.37 -32394729.30 -32394729.23 0.3786 0.2833

Mercury -93400-08-09 22:32 J -32392705.65 -32392705.56 -32392705.47 0.3784 0.2130

Mercury -93394-02-23 16:32 J -32390681.91 -32390681.81 -32390681.70 0.3781 0.1409

Mercury -93389-09-08 10:47 J -32388658.16 -32388658.05 -32388657.94 0.3778 0.0664

Mercury -93383-03-25 05:15 J -32386634.39 -32386634.28 -32386634.17 0.3775 0.0127

Mercury -93379-03-23 17:44 J -32385174.86 -32385174.76 -32385174.66 0.3595 0.2387

Mercury -93378-10-08 23:59 J -32384610.61 -32384610.50 -32384610.40 0.3772 0.0909

Mercury -93374-10-07 19:11 J -32383150.83 -32383150.70 -32383150.57 0.3598 0.1215

Mercury -93372-04-23 18:42 J -32382586.82 -32382586.72 -32382586.62 0.3769 0.1716

Mercury -93368-04-22 19:54 J -32381126.81 -32381126.67 -32381126.54 0.3601 0.0142

Mercury -93367-11-07 13:54 J -32380563.01 -32380562.92 -32380562.84 0.3765 0.2547

Mercury -93363-11-06 20:08 J -32379102.79 -32379102.66 -32379102.53 0.3605 0.0969

Mercury -93361-05-23 09:06 J -32378539.17 -32378539.12 -32378539.07 0.3762 0.3394

Mercury -93357-05-22 20:08 J -32377078.77 -32377078.66 -32377078.55 0.3608 0.1991

Mercury -93354-02-15 09:06 J -32376080.17 -32376080.12 -32376080.07 0.3788 0.3337

Mercury -93352-12-06 19:25 J -32375054.76 -32375054.69 -32375054.62 0.3612 0.2960

Mercury -93349-08-31 02:51 J -32374056.46 -32374056.38 -32374056.31 0.3786 0.2649

Mercury -93343-03-16 20:37 J -32372032.73 -32372032.64 -32372032.54 0.3783 0.1938

Mercury -93338-09-30 14:51 J -32370008.99 -32370008.88 -32370008.78 0.3780 0.1213

Mercury -93332-04-15 09:06 J -32367985.23 -32367985.12 -32367985.01 0.3778 0.0451

Mercury -93328-04-13 16:18 J -32366525.88 -32366525.82 -32366525.77 0.3593 0.3272

Mercury -93327-10-30 03:35 J -32365961.46 -32365961.35 -32365961.24 0.3774 0.0329

Mercury -93323-10-28 17:59 J -32364501.86 -32364501.75 -32364501.64 0.3596 0.2069

Mercury -93321-05-14 22:18 J -32363937.68 -32363937.57 -32363937.47 0.3771 0.1120

Mercury -93317-05-13 18:56 J -32362477.84 -32362477.71 -32362477.57 0.3599 0.0925

Mercury -93316-11-28 17:01 J -32361913.88 -32361913.79 -32361913.69 0.3768 0.1928

Mercury -93312-11-27 19:39 J -32360453.81 -32360453.68 -32360453.54 0.3602 0.0183

Mercury -93310-06-14 12:13 J -32359890.07 -32359889.99 -32359889.91 0.3764 0.2764

Mercury -93306-06-13 19:54 J -32358429.79 -32358429.67 -32358429.54 0.3606 0.1242

Mercury -93305-12-28 07:39 J -32357866.21 -32357866.18 -32357866.15 0.3760 0.3618

Mercury -93301-12-27 19:39 J -32356405.78 -32356405.68 -32356405.58 0.3609 0.2247

Mercury -93298-09-22 06:56 J -32355407.26 -32355407.21 -32355407.15 0.3787 0.3154

Mercury -93295-07-13 18:56 J -32354381.76 -32354381.71 -32354381.65 0.3613 0.3209

Mercury -93292-04-07 00:56 J -32353383.55 -32353383.46 -32353383.38 0.3785 0.2459

Mercury -93287-10-21 18:42 J -32351359.81 -32351359.72 -32351359.62 0.3782 0.1746

Mercury -93281-05-06 12:56 J -32349336.07 -32349335.96 -32349335.86 0.3780 0.1008

Mercury -93276-11-20 07:11 J -32347312.31 -32347312.20 -32347312.09 0.3777 0.0277

Mercury -93272-11-18 16:32 J -32345852.89 -32345852.81 -32345852.73 0.3594 0.2944

Mercury -93270-06-06 01:54 J -32345288.53 -32345288.42 -32345288.31 0.3773 0.0543

Mercury -93266-06-04 17:59 J -32343828.87 -32343828.75 -32343828.63 0.3597 0.1758

Mercury -93265-12-19 20:37 J -32343264.75 -32343264.64 -32343264.54 0.3770 0.1327

Mercury -93261-12-18 18:56 J -32341804.84 -32341804.71 -32341804.57 0.3600 0.0625

Mercury -93259-07-05 15:35 J -32341240.95 -32341240.85 -32341240.76 0.3767 0.2147

Mercury -93255-07-04 19:39 J -32339780.82 -32339780.68 -32339780.55 0.3603 0.0476

Mercury -93253-01-19 10:47 J -32339217.12 -32339217.05 -32339216.99 0.3763 0.2986

Mercury -93249-01-18 19:39 J -32337756.80 -32337756.68 -32337756.56 0.3606 0.1510

Mercury -93247-10-13 11:15 J -32336758.05 -32336758.03 -32336758.00 0.3789 0.3648

Mercury -93244-08-03 19:11 J -32335732.79 -32335732.70 -32335732.60 0.3610 0.2505

Mercury -93241-04-28 05:01 J -32334734.35 -32334734.29 -32334734.22 0.3787 0.2966

Mercury -93238-02-17 18:27 J -32333708.76 -32333708.73 -32333708.69 0.3614 0.3450

Mercury -93236-11-11 23:01 J -32332710.63 -32332710.54 -32332710.46 0.3784 0.2272

Mercury -93230-05-28 17:01 J -32330686.89 -32330686.79 -32330686.69 0.3781 0.1554

Mercury -93225-12-11 11:01 J -32328663.14 -32328663.04 -32328662.93 0.3779 0.0820

Mercury -93219-06-27 05:30 J -32326639.38 -32326639.27 -32326639.16 0.3776 0.0047

Mercury -93215-06-25 16:47 J -32325179.90 -32325179.80 -32325179.71 0.3595 0.2623

Mercury -93213-01-11 00:13 J -32324615.60 -32324615.49 -32324615.38 0.3773 0.0750

Mercury -93209-01-09 18:13 J -32323155.87 -32323155.74 -32323155.62 0.3598 0.1452

Mercury -93208-07-26 18:56 J -32322591.81 -32322591.71 -32322591.61 0.3769 0.1538

Mercury -93204-07-25 18:56 J -32321131.85 -32321131.71 -32321131.57 0.3601 0.0329

Mercury -93202-02-09 13:54 J -32320568.01 -32320567.92 -32320567.83 0.3766 0.2366

Mercury -93198-02-08 19:25 J -32319107.82 -32319107.69 -32319107.56 0.3604 0.0748

Mercury -93197-08-25 09:06 J -32318544.17 -32318544.12 -32318544.06 0.3762 0.3209

Mercury -93193-08-24 19:25 J -32317083.81 -32317083.69 -32317083.58 0.3608 0.1775

Mercury -93190-05-20 09:20 J -32316085.15 -32316085.11 -32316085.07 0.3788 0.3464

Mercury -93187-03-10 18:56 J -32315059.80 -32315059.71 -32315059.63 0.3611 0.2753

Mercury -93185-12-03 03:06 J -32314061.44 -32314061.37 -32314061.30 0.3786 0.2782

Mercury -93179-06-18 21:06 J -32312037.71 -32312037.62 -32312037.53 0.3783 0.2079

Mercury -93173-01-02 15:06 J -32310013.97 -32310013.87 -32310013.77 0.3781 0.1354

Mercury -93168-07-18 09:20 J -32307990.22 -32307990.11 -32307990.00 0.3778 0.0608

Mercury -93164-07-16 15:06 J -32306530.90 -32306530.87 -32306530.84 0.3593 0.3507

Mercury -93162-02-01 03:49 J -32305966.45 -32305966.34 -32305966.23 0.3775 0.0183

Mercury -93158-01-30 16:47 J -32304506.90 -32304506.80 -32304506.69 0.3595 0.2307

Mercury -93157-08-16 22:18 J -32303942.67 -32303942.57 -32303942.46 0.3772 0.0955

Mercury -93153-08-15 17:59 J -32302482.88 -32302482.75 -32302482.61 0.3598 0.1154

Mercury -93151-03-02 17:15 J -32301918.88 -32301918.78 -32301918.68 0.3768 0.1751

Mercury -93147-03-01 18:56 J -32300458.85 -32300458.71 -32300458.58 0.3602 0.0108

Mercury -93146-09-16 12:27 J -32299895.07 -32299894.98 -32299894.90 0.3765 0.2584

Mercury -93142-09-15 19:11 J -32298434.83 -32298434.70 -32298434.57 0.3605 0.1020

Mercury -93140-04-01 07:39 J -32297871.22 -32297871.18 -32297871.13 0.3761 0.3429

Mercury -93136-03-31 18:56 J -32296410.82 -32296410.71 -32296410.60 0.3609 0.2026

Mercury -93134-12-25 07:25 J -32295412.24 -32295412.19 -32295412.14 0.3788 0.3281

Mercury -93131-10-15 18:27 J -32294386.80 -32294386.73 -32294386.66 0.3612 0.2998

Mercury -93128-07-10 01:11 J -32293388.53 -32293388.45 -32293388.37 0.3785 0.2593

Mercury -93122-01-23 19:11 J -32291364.80 -32291364.70 -32291364.61 0.3783 0.1885

Mercury -93117-08-08 13:11 J -32289341.05 -32289340.95 -32289340.84 0.3780 0.1158

Mercury -93111-02-22 07:25 J -32287317.30 -32287317.19 -32287317.08 0.3777 0.0435

Mercury -93107-02-20 15:20 J -32285857.92 -32285857.86 -32285857.79 0.3593 0.3181

Mercury -93106-09-08 02:08 J -32285293.53 -32285293.41 -32285293.30 0.3774 0.0390

Mercury -93102-09-06 17:01 J -32283833.90 -32283833.79 -32283833.67 0.3596 0.1991

Mercury -93100-03-23 20:37 J -32283269.74 -32283269.64 -32283269.53 0.3771 0.1165

Mercury -93096-03-22 17:59 J -32281809.88 -32281809.75 -32281809.61 0.3600 0.0859

Mercury -93095-10-07 15:35 J -32281245.94 -32281245.85 -32281245.75 0.3767 0.1963

Mercury -93091-10-06 18:42 J -32279785.85 -32279785.72 -32279785.58 0.3603 0.0249

Mercury -93089-04-22 10:47 J -32279222.12 -32279222.05 -32279221.98 0.3764 0.2797

Mercury -93085-04-21 18:42 J -32277761.84 -32277761.72 -32277761.59 0.3606 0.1282

Mercury -93084-11-06 06:13 J -32277198.27 -32277198.24 -32277198.22 0.3760 0.3648

Mercury -93082-01-15 11:44 J -32276763.02 -32276763.01 -32276763.00 0.3789 0.3767

Mercury -93080-11-05 18:27 J -32275737.83 -32275737.73 -32275737.62 0.3610 0.2286

Mercury -93077-07-31 05:30 J -32274739.33 -32274739.27 -32274739.21 0.3787 0.3097

Mercury -93074-05-22 17:44 J -32273713.81 -32273713.76 -32273713.70 0.3613 0.3231

Mercury -93071-02-13 23:15 J -32272715.61 -32272715.53 -32272715.45 0.3784 0.2402

Mercury -93066-08-30 17:15 J -32270691.88 -32270691.78 -32270691.68 0.3782 0.1691

Mercury -93060-03-15 11:30 J -32268668.13 -32268668.02 -32268667.92 0.3779 0.0966

Mercury -93055-09-29 05:44 J -32266644.37 -32266644.26 -32266644.15 0.3776 0.0211

Mercury -93051-09-27 15:35 J -32265184.93 -32265184.85 -32265184.76 0.3594 0.2859

Mercury -93049-04-14 00:13 J -32264620.60 -32264620.49 -32264620.38 0.3773 0.0582

Mercury -93045-04-12 17:01 J -32263160.91 -32263160.79 -32263160.67 0.3597 0.1692

Mercury -93044-10-28 18:56 J -32262596.81 -32262596.71 -32262596.60 0.3770 0.1364

Mercury -93040-10-27 17:59 J -32261136.88 -32261136.75 -32261136.61 0.3601 0.0562

Mercury -93038-05-14 13:54 J -32260573.01 -32260572.92 -32260572.82 0.3766 0.2184

Mercury -93034-05-13 18:27 J -32259112.86 -32259112.73 -32259112.60 0.3604 0.0515

Mercury -93033-11-27 09:06 J -32258549.18 -32258549.12 -32258549.05 0.3762 0.3017

Mercury -93029-11-26 18:27 J -32257088.85 -32257088.73 -32257088.61 0.3607 0.1544

Mercury -93026-08-22 09:49 J -32256090.12 -32256090.09 -32256090.06 0.3789 0.3588

Mercury -93023-06-12 18:13 J -32255064.84 -32255064.74 -32255064.65 0.3611 0.2532

Mercury -93020-03-07 03:35 J -32254066.42 -32254066.35 -32254066.29 0.3786 0.2916

Mercury -93018-12-27 17:15 J -32253040.81 -32253040.78 -32253040.75 0.3614 0.3467

Mercury -93015-09-20 21:20 J -32252042.70 -32252042.61 -32252042.52 0.3784 0.2218

Mercury -93009-04-05 15:20 J -32250018.96 -32250018.86 -32250018.76 0.3781 0.1499

Mercury -93004-10-20 09:35 J -32247995.21 -32247995.10 -32247994.99 0.3778 0.0766

93RD MILLENNIUM BCE

This is a list of transits visible from Venus in the 93rd millennium BCE.

PLANET	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
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TRANSIT

TIME

Mercury -92998-05-06 04:03 J -32245971.45 -32245971.33 -32245971.22 0.3775 0.0134

Mercury -92994-05-04 15:49 J -32244511.94 -32244511.84 -32244511.75 0.3595 0.2552

Mercury -92993-11-18 22:32 J -32243947.67 -32243947.56 -32243947.45 0.3772 0.0772

Mercury -92989-11-17 17:01 J -32242487.92 -32242487.79 -32242487.66 0.3598 0.1391

Mercury -92987-06-04 17:15 J -32241923.88 -32241923.78 -32241923.67 0.3769 0.1579

Mercury -92983-06-03 17:59 J -32240463.89 -32240463.75 -32240463.62 0.3601 0.0280

Mercury -92982-12-19 12:27 J -32239900.07 -32239899.98 -32239899.89 0.3765 0.2390

Mercury -92978-12-18 18:13 J -32238439.87 -32238439.74 -32238439.61 0.3605 0.0787

Mercury -92976-07-04 07:39 J -32237876.23 -32237876.18 -32237876.12 0.3761 0.3236

Mercury -92972-07-03 18:13 J -32236415.85 -32236415.74 -32236415.62 0.3608 0.1805

Mercury -92969-03-28 07:39 J -32235417.22 -32235417.18 -32235417.13 0.3788 0.3412

Mercury -92966-01-17 17:44 J -32234391.84 -32234391.76 -32234391.68 0.3612 0.2776

Mercury -92964-10-12 01:25 J -32233393.51 -32233393.44 -32233393.36 0.3786 0.2733

Mercury -92958-04-27 19:25 J -32231369.78 -32231369.69 -32231369.60 0.3783 0.2030

Mercury -92953-11-10 13:25 J -32229346.04 -32229345.94 -32229345.84 0.3780 0.1310

Mercury -92947-05-27 07:39 J -32227322.29 -32227322.18 -32227322.07 0.3777 0.0578

Mercury -92943-05-25 14:08 J -32225862.95 -32225862.91 -32225862.87 0.3593 0.3431

Mercury -92942-12-11 02:08 J -32225298.52 -32225298.41 -32225298.30 0.3774 0.0213

Mercury -92938-12-09 15:49 J -32223838.95 -32223838.84 -32223838.73 0.3596 0.2239

Mercury -92936-06-25 20:51 J -32223274.74 -32223274.63 -32223274.52 0.3771 0.0979

Mercury -92932-06-24 17:01 J -32221814.92 -32221814.79 -32221814.66 0.3599 0.1095

Mercury -92930-01-09 15:49 J -32221250.94 -32221250.84 -32221250.74 0.3768 0.1784

Mercury -92926-01-08 17:44 J -32219790.89 -32219790.76 -32219790.62 0.3602 0.0052

Mercury -92925-07-25 10:47 J -32219227.13 -32219227.05 -32219226.97 0.3764 0.2607

Mercury -92921-07-24 17:59 J -32217766.88 -32217766.75 -32217766.62 0.3606 0.1056

Mercury -92919-02-08 06:13 J -32217203.28 -32217203.24 -32217203.20 0.3760 0.3456

Mercury -92915-02-07 17:59 J -32215742.86 -32215742.75 -32215742.65 0.3609 0.2065

Mercury -92913-11-02 05:44 J -32214744.31 -32214744.26 -32214744.21 0.3787 0.3231

Mercury -92910-08-24 17:15 J -32213718.85 -32213718.78 -32213718.71 0.3613 0.3018

Mercury -92907-05-18 23:30 J -32212720.60 -32212720.52 -32212720.44 0.3785 0.2547

Mercury -92902-12-02 17:30 J -32210696.87 -32210696.77 -32210696.68 0.3782 0.1843

Mercury -92896-06-17 11:44 J -32208673.12 -32208673.01 -32208672.91 0.3779 0.1124

Mercury -92890-01-01 05:59 J -32206649.36 -32206649.25 -32206649.14 0.3776 0.0374

Mercury -92887-12-30 14:23 J -32205189.97 -32205189.90 -32205189.83 0.3594 0.3110

Mercury -92885-07-17 00:27 J -32204625.59 -32204625.48 -32204625.37 0.3773 0.0398

Mercury -92881-07-15 16:03 J -32203165.95 -32203165.83 -32203165.72 0.3597 0.1932

Mercury -92879-01-30 19:11 J -32202601.80 -32202601.70 -32202601.59 0.3770 0.1190

Mercury -92875-01-29 17:01 J -32201141.92 -32201141.79 -32201141.65 0.3600 0.0802

Mercury -92874-08-16 14:08 J -32200578.00 -32200577.91 -32200577.81 0.3767 0.1995

Mercury -92870-08-15 17:44 J -32199117.90 -32199117.76 -32199117.63 0.3603 0.0307

Mercury -92868-03-01 09:20 J -32198554.18 -32198554.11 -32198554.04 0.3763 0.2826

Mercury -92864-02-28 17:44 J -32197093.88 -32197093.76 -32197093.63 0.3607 0.1325

Mercury -92863-09-15 04:47 J -32196530.32 -32196530.30 -32196530.28 0.3759 0.3675

Mercury -92862-11-24 10:03 J -32196095.09 -32196095.08 -32196095.06 0.3789 0.3721

Mercury -92859-09-14 17:30 J -32195069.87 -32195069.77 -32195069.67 0.3610 0.2312

Mercury -92856-06-09 03:49 J -32194071.40 -32194071.34 -32194071.28 0.3787 0.3049

Mercury -92853-03-30 16:47 J -32193045.86 -32193045.80 -32193045.75 0.3614 0.3254

Mercury -92851-12-23 21:35 J -32192047.68 -32192047.60 -32192047.51 0.3784 0.2363

Mercury -92845-07-08 15:35 J -32190023.94 -32190023.85 -32190023.75 0.3781 0.1653

Mercury -92839-01-22 09:49 J -32188000.20 -32188000.09 -32187999.98 0.3779 0.0918

Mercury -92834-08-08 04:18 J -32185976.43 -32185976.32 -32185976.21 0.3776 0.0201

Mercury -92830-08-06 14:37 J -32184516.97 -32184516.89 -32184516.80 0.3595 0.2791

Mercury -92828-02-20 22:47 J -32183952.66 -32183952.55 -32183952.44 0.3772 0.0604

Mercury -92824-02-19 16:03 J -32182492.95 -32182492.83 -32182492.70 0.3598 0.1627

Mercury -92823-09-06 17:30 J -32181928.87 -32181928.77 -32181928.66 0.3769 0.1400

Mercury -92819-09-05 17:01 J -32180468.92 -32180468.79 -32180468.65 0.3601 0.0509

Mercury -92817-03-22 12:27 J -32179905.07 -32179904.98 -32179904.88 0.3766 0.2212

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Mercury -92695-12-17 16:32 J -32135074.91 -32135074.81 -32135074.70 0.3610 0.2083

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Mercury -92686-03-27 22:03 J -32132052.66 -32132052.58 -32132052.50 0.3785 0.2504

Mercury -92681-10-10 15:49 J -32130028.93 -32130028.84 -32130028.74 0.3782 0.1808

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Mercury -92664-05-25 23:01 J -32123957.66 -32123957.54 -32123957.43 0.3773 0.0454

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Mercury -92619-12-01 08:08 J -32107332.26 -32107332.16 -32107332.05 0.3778 0.0898

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Mercury -92592-01-28 16:32 J -32097776.95 -32097776.81 -32097776.68 0.3605 0.0607

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Mercury -92530-03-21 16:03 J -32075079.95 -32075079.83 -32075079.72 0.3609 0.1862

Mercury -92528-12-14 04:32 J -32074081.36 -32074081.31 -32074081.26 0.3787 0.3325

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Mercury -92501-02-10 12:27 J -32064527.03 -32064526.98 -32064526.93 0.3594 0.3294

Mercury -92500-08-27 23:15 J -32063962.64 -32063962.53 -32063962.42 0.3773 0.0282

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Mercury -92438-10-18 16:03 J -32041265.93 -32041265.83 -32041265.72 0.3769 0.1241

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Mercury -92360-01-06 14:37 J -32013060.98 -32013060.89 -32013060.80 0.3612 0.2588

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Mercury -92222-02-10 19:54 J -31962621.78 -31962621.67 -31962621.56 0.3772 0.0484

Mercury -92218-02-09 13:11 J -31961162.07 -31961161.95 -31961161.83 0.3598 0.1783

Mercury -92217-08-26 14:37 J -31960597.99 -31960597.89 -31960597.78 0.3769 0.1269

Mercury -92213-08-25 13:54 J -31959138.05 -31959137.92 -31959137.78 0.3601 0.0687

Mercury -92211-03-12 09:35 J -31958574.19 -31958574.10 -31958574.00 0.3765 0.2068

Mercury -92207-03-11 14:23 J -31957114.03 -31957113.90 -31957113.76 0.3605 0.0393

Mercury -92206-09-26 05:01 J -31956550.37 -31956550.29 -31956550.22 0.3761 0.2886

Mercury -92202-09-25 14:37 J -31955090.02 -31955089.89 -31955089.77 0.3608 0.1403

Mercury -92200-04-11 00:27 J -31954526.49 -31954526.48 -31954526.47 0.3757 0.3727

Mercury -92199-06-20 05:15 J -31954091.31 -31954091.28 -31954091.25 0.3788 0.3602

Mercury -92196-04-10 13:54 J -31953066.02 -31953065.92 -31953065.82 0.3612 0.2360

Mercury -92193-01-03 23:01 J -31952067.61 -31952067.54 -31952067.48 0.3785 0.2941

Mercury -92191-10-25 13:11 J -31951042.00 -31951041.95 -31951041.90 0.3616 0.3288

Mercury -92188-07-19 16:47 J -31950043.88 -31950043.80 -31950043.71 0.3783 0.2261

Mercury -92182-02-02 11:01 J -31948020.14 -31948020.04 -31948019.94 0.3780 0.1555

Mercury -92177-08-18 05:15 J -31945996.39 -31945996.28 -31945996.18 0.3777 0.0842

Mercury -92171-03-03 23:30 J -31943972.63 -31943972.52 -31943972.41 0.3774 0.0141

Mercury -92167-03-02 11:44 J -31942513.10 -31942513.01 -31942512.91 0.3596 0.2631

Mercury -92166-09-17 18:13 J -31941948.85 -31941948.74 -31941948.63 0.3771 0.0679

Mercury -92162-09-16 13:11 J -31940489.08 -31940488.95 -31940488.83 0.3599 0.1494

Mercury -92160-04-02 12:56 J -31939925.06 -31939924.96 -31939924.85 0.3768 0.1473

Mercury -92156-04-01 13:54 J -31938465.06 -31938464.92 -31938464.79 0.3602 0.0404

Mercury -92155-10-17 08:08 J -31937901.25 -31937901.16 -31937901.07 0.3764 0.2268

Mercury -92151-10-16 14:08 J -31936441.04 -31936440.91 -31936440.77 0.3606 0.0660

Mercury -92149-05-02 03:20 J -31935877.42 -31935877.36 -31935877.29 0.3760 0.3099

Mercury -92145-05-01 14:08 J -31934417.03 -31934416.91 -31934416.80 0.3609 0.1643

Mercury -92142-01-25 03:20 J -31933418.40 -31933418.36 -31933418.32 0.3787 0.3431

Mercury -92140-11-15 13:25 J -31932393.03 -31932392.94 -31932392.84 0.3613 0.2601

Mercury -92137-08-09 21:06 J -31931394.69 -31931394.62 -31931394.55 0.3785 0.2765

Mercury -92134-06-01 12:27 J -31930369.00 -31930368.98 -31930368.95 0.3617 0.3507

Mercury -92131-02-23 14:51 J -31929370.97 -31929370.88 -31929370.78 0.3782 0.2082

Mercury -92126-09-09 09:06 J -31927347.22 -31927347.12 -31927347.02 0.3779 0.1368

Mercury -92120-03-25 03:20 J -31925323.47 -31925323.36 -31925323.25 0.3776 0.0642

Mercury -92116-03-23 10:18 J -31923864.10 -31923864.07 -31923864.04 0.3594 0.3506

Mercury -92115-10-08 21:49 J -31923299.70 -31923299.59 -31923299.48 0.3773 0.0106

Mercury -92111-10-07 11:59 J -31921840.10 -31921840.00 -31921839.89 0.3597 0.2329

Mercury -92109-04-23 16:32 J -31921275.92 -31921275.81 -31921275.70 0.3770 0.0879

Mercury -92105-04-22 12:56 J -31919816.08 -31919815.96 -31919815.83 0.3600 0.1218

Mercury -92104-11-07 11:30 J -31919252.13 -31919252.02 -31919251.92 0.3766 0.1671

Mercury -92100-11-06 13:39 J -31917792.06 -31917791.93 -31917791.79 0.3603 0.0173

Mercury -92098-05-24 06:27 J -31917228.31 -31917228.23 -31917228.14 0.3763 0.2479

Mercury -92094-05-23 13:54 J -31915768.05 -31915767.92 -31915767.79 0.3607 0.0903

Mercury -92093-12-07 01:54 J -31915204.47 -31915204.42 -31915204.37 0.3759 0.3307

Mercury -92089-12-06 13:39 J -31913744.04 -31913743.93 -31913743.82 0.3610 0.1887

Mercury -92086-09-01 01:25 J -31912745.50 -31912745.44 -31912745.39 0.3787 0.3259

Mercury -92083-06-22 13:11 J -31911720.03 -31911719.95 -31911719.87 0.3614 0.2833

Mercury -92080-03-16 19:11 J -31910721.78 -31910721.70 -31910721.62 0.3784 0.2587

Mercury -92075-09-30 13:11 J -31908698.05 -31908697.95 -31908697.86 0.3782 0.1901

Mercury -92069-04-15 07:11 J -31906674.30 -31906674.20 -31906674.09 0.3779 0.1186

Mercury -92064-10-30 01:39 J -31904650.54 -31904650.43 -31904650.32 0.3776 0.0473

Mercury -92060-10-28 10:32 J -31903191.12 -31903191.06 -31903191.00 0.3595 0.3193

Mercury -92058-05-15 20:08 J -31902626.77 -31902626.66 -31902626.55 0.3772 0.0308

Mercury -92054-05-14 11:59 J -31901167.11 -31901167.00 -31901166.89 0.3598 0.2042

Mercury -92053-11-28 14:51 J -31900602.99 -31900602.88 -31900602.77 0.3769 0.1077

Mercury -92049-11-27 12:56 J -31899143.09 -31899142.96 -31899142.82 0.3601 0.0933

Mercury -92047-06-14 09:49 J -31898579.19 -31898579.09 -31898578.99 0.3765 0.1870

Mercury -92043-06-13 13:39 J -31897119.07 -31897118.93 -31897118.80 0.3604 0.0160

Mercury -92042-12-29 05:01 J -31896555.37 -31896555.29 -31896555.21 0.3762 0.2684

Mercury -92038-12-28 13:39 J -31895095.06 -31895094.93 -31895094.80 0.3608 0.1157

Mercury -92036-07-14 00:27 J -31894531.52 -31894531.48 -31894531.45 0.3758 0.3523

Mercury -92035-09-22 05:44 J -31894096.28 -31894096.26 -31894096.25 0.3788 0.3748

Mercury -92032-07-13 13:25 J -31893071.05 -31893070.94 -31893070.84 0.3611 0.2133

Mercury -92029-04-06 23:15 J -31892072.59 -31892072.53 -31892072.46 0.3786 0.3089

Mercury -92026-01-27 12:27 J -31891047.04 -31891046.98 -31891046.91 0.3615 0.3063

Mercury -92024-10-21 17:15 J -31890048.87 -31890048.78 -31890048.70 0.3783 0.2416

Mercury -92018-05-07 11:15 J -31888025.13 -31888025.03 -31888024.94 0.3781 0.1716

Mercury -92013-11-20 05:15 J -31886001.38 -31886001.28 -31886001.17 0.3778 0.1012

Mercury -92007-06-05 23:44 J -31883977.62 -31883977.51 -31883977.40 0.3775 0.0265

Mercury -92003-06-04 10:47 J -31882518.13 -31882518.05 -31882517.97 0.3595 0.2896

Mercury -92002-12-20 18:27 J -31881953.84 -31881953.73 -31881953.62 0.3771 0.0512

92ND MILLENNIUM BCE

This is a list of transits visible from Venus in the 92nd millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-91998-12-19 11:59 J	-31880494.12	-31880494.00	-31880493.88	0.3599	0.1752		
Mercury	-91996-07-05 13:11 J	-31879930.06	-31879929.95	-31879929.84	0.3768	0.1277		
Mercury	-91992-07-04 12:56 J	-31878470.09	-31878469.96	-31878469.82	0.3602	0.0653		
Mercury	-91990-01-19 08:08 J	-31877906.25	-31877906.16	-31877906.06	0.3764	0.2079		
Mercury	-91986-01-18 13:25 J	-31876446.08	-31876445.94	-31876445.81	0.3605	0.0404		
Mercury	-91985-08-04 03:35 J	-31875882.43	-31875882.35	-31875882.28	0.3761	0.2899		
Mercury	-91981-08-03 13:25 J	-31874422.07	-31874421.94	-31874421.82	0.3609	0.1411		
Mercury	-91979-02-17 23:01 J	-31873858.55	-31873858.54	-31873858.54	0.3757	0.3741		
Mercury	-91978-04-29 03:35 J	-31873423.38	-31873423.35	-31873423.32	0.3788	0.3577		

Mercury -91975-02-17 12:56 J -31872398.06 -31872397.96 -31872397.86 0.3612 0.2371

Mercury -91973-11-11 21:20 J -31871399.68 -31871399.61 -31871399.54 0.3785 0.2916

Mercury -91970-09-03 11:59 J -31870374.05 -31870374.00 -31870373.95 0.3616 0.3286

Mercury -91967-05-28 15:20 J -31869375.95 -31869375.86 -31869375.78 0.3783 0.2238

Mercury -91962-12-12 09:20 J -31867352.21 -31867352.11 -31867352.01 0.3780 0.1535

Mercury -91956-06-27 03:35 J -31865328.46 -31865328.35 -31865328.24 0.3777 0.0809

Mercury -91950-01-10 22:03 J -31863304.69 -31863304.58 -31863304.47 0.3774 0.0080

Mercury -91946-01-09 10:47 J -31861845.14 -31861845.05 -31861844.95 0.3596 0.2595

Mercury -91945-07-26 16:47 J -31861280.91 -31861280.80 -31861280.69 0.3770 0.0706

Mercury -91941-07-25 11:59 J -31859821.12 -31859821.00 -31859820.87 0.3599 0.1466

Mercury -91939-02-09 11:30 J -31859257.12 -31859257.02 -31859256.91 0.3767 0.1481

Mercury -91935-02-08 12:56 J -31857797.10 -31857796.96 -31857796.83 0.3603 0.0383

Mercury -91934-08-26 06:42 J -31857233.31 -31857233.22 -31857233.13 0.3763 0.2284

Mercury -91930-08-25 13:11 J -31855773.08 -31855772.95 -31855772.82 0.3606 0.0665

Mercury -91928-03-11 01:54 J -31855209.48 -31855209.42 -31855209.36 0.3760 0.3109

Mercury -91924-03-10 12:56 J -31853749.07 -31853748.96 -31853748.84 0.3610 0.1660

Mercury -91922-12-04 01:39 J -31852750.47 -31852750.43 -31852750.39 0.3787 0.3408

Mercury -91919-09-24 12:27 J -31851725.07 -31851724.98 -31851724.89 0.3613 0.2607

Mercury -91916-06-18 19:25 J -31850726.76 -31850726.69 -31850726.62 0.3784 0.2740

Mercury -91913-04-09 11:30 J -31849701.05 -31849701.02 -31849701.00 0.3617 0.3509

Mercury -91910-01-02 13:25 J -31848703.03 -31848702.94 -31848702.85 0.3782 0.2057

Mercury -91905-07-18 07:25 J -31846679.29 -31846679.19 -31846679.08 0.3779 0.1353

Mercury -91899-02-01 01:54 J -31844655.53 -31844655.42 -31844655.31 0.3776 0.0629

Mercury -91895-01-30 09:20 J -31843196.14 -31843196.11 -31843196.07 0.3594 0.3460

Mercury -91894-08-17 20:23 J -31842631.76 -31842631.65 -31842631.54 0.3773 0.0154

Mercury -91890-08-16 11:01 J -31841172.15 -31841172.04 -31841171.94 0.3597 0.2297

Mercury -91888-03-02 15:06 J -31840607.98 -31840607.87 -31840607.76 0.3769 0.0900

Mercury -91884-03-01 12:13 J -31839148.12 -31839147.99 -31839147.86 0.3600 0.1180

Mercury -91883-09-16 10:03 J -31838584.19 -31838584.08 -31838583.98 0.3766 0.1690

Mercury -91879-09-15 12:42 J -31837124.10 -31837123.97 -31837123.83 0.3604 0.0117

Mercury -91877-04-01 05:01 J -31836560.37 -31836560.29 -31836560.20 0.3762 0.2493

Mercury -91873-03-31 12:56 J -31835100.09 -31835099.96 -31835099.83 0.3607 0.0921

Mercury -91872-10-16 00:27 J -31834536.53 -31834536.48 -31834536.43 0.3759 0.3319

Mercury -91868-10-15 12:42 J -31833076.08 -31833075.97 -31833075.86 0.3611 0.1904

Mercury -91865-07-09 23:44 J -31832077.56 -31832077.51 -31832077.46 0.3786 0.3235

Mercury -91862-05-01 11:59 J -31831052.08 -31831052.00 -31831051.92 0.3615 0.2833

Mercury -91859-01-23 17:30 J -31830053.85 -31830053.77 -31830053.69 0.3784 0.2564

Mercury -91854-08-09 11:30 J -31828030.11 -31828030.02 -31828029.92 0.3781 0.1875

Mercury -91848-02-22 05:44 J -31826006.37 -31826006.26 -31826006.16 0.3778 0.1162

Mercury -91843-09-07 23:59 J -31823982.61 -31823982.50 -31823982.39 0.3775 0.0444

Mercury -91839-09-06 09:35 J -31822523.16 -31822523.10 -31822523.03 0.3595 0.3155

Mercury -91837-03-23 18:42 J -31821958.83 -31821958.72 -31821958.61 0.3772 0.0340

Mercury -91833-03-22 11:01 J -31820499.15 -31820499.04 -31820498.92 0.3598 0.2006

Mercury -91832-10-07 13:25 J -31819935.05 -31819934.94 -31819934.84 0.3769 0.1095

Mercury -91828-10-06 12:13 J -31818475.13 -31818474.99 -31818474.86 0.3601 0.0905

Mercury -91826-04-23 08:23 J -31817911.25 -31817911.15 -31817911.05 0.3765 0.1888

Mercury -91822-04-22 12:27 J -31816451.11 -31816450.98 -31816450.84 0.3605 0.0164

Mercury -91821-11-06 03:35 J -31815887.43 -31815887.35 -31815887.27 0.3761 0.2697

Mercury -91817-11-05 12:42 J -31814427.10 -31814426.97 -31814426.85 0.3608 0.1178

Mercury -91815-05-22 23:01 J -31813863.58 -31813863.54 -31813863.51 0.3757 0.3534

Mercury -91814-08-01 04:03 J -31813428.35 -31813428.33 -31813428.31 0.3788 0.3720

Mercury -91811-05-22 12:13 J -31812403.10 -31812402.99 -31812402.89 0.3612 0.2138

Mercury -91808-02-13 21:49 J -31811404.65 -31811404.59 -31811404.53 0.3785 0.3063

Mercury -91806-12-06 11:15 J -31810379.09 -31810379.03 -31810378.96 0.3616 0.3060

Mercury -91803-08-30 15:35 J -31809380.93 -31809380.85 -31809380.76 0.3783 0.2389

Mercury -91797-03-15 09:35 J -31807357.19 -31807357.10 -31807357.00 0.3780 0.1698

Mercury -91792-09-29 03:49 J -31805333.44 -31805333.34 -31805333.23 0.3777 0.0981

Mercury -91786-04-14 22:18 J -31803309.68 -31803309.57 -31803309.46 0.3774 0.0242

Mercury -91782-04-13 09:49 J -31801850.18 -31801850.09 -31801850.01 0.3596 0.2865

Mercury -91781-10-28 16:47 J -31801285.91 -31801285.80 -31801285.69 0.3771 0.0517

Mercury -91777-10-27 11:01 J -31799826.16 -31799826.04 -31799825.92 0.3599 0.1719

Mercury -91775-05-14 11:44 J -31799262.12 -31799262.01 -31799261.91 0.3768 0.1294

Mercury -91771-05-13 11:59 J -31797802.14 -31797802.00 -31797801.87 0.3602 0.0644

Mercury -91770-11-28 06:42 J -31797238.31 -31797238.22 -31797238.13 0.3764 0.2087

Mercury -91766-11-27 12:13 J -31795778.12 -31795777.99 -31795777.85 0.3606 0.0421

Mercury -91764-06-13 01:54 J -31795214.49 -31795214.42 -31795214.35 0.3760 0.2908

Mercury -91760-06-12 12:13 J -31793754.11 -31793753.99 -31793753.87 0.3609 0.1417

Mercury -91759-12-27 21:35 J -31793190.61 -31793190.60 -31793190.60 0.3756 0.3744

Mercury -91757-03-07 02:08 J -31792755.45 -31792755.41 -31792755.38 0.3787 0.3553

Mercury -91755-12-27 11:44 J -31791730.11 -31791730.01 -31791729.91 0.3613 0.2372

Mercury -91752-09-20 19:39 J -31790731.74 -31790731.68 -31790731.61 0.3785 0.2899

Mercury -91749-07-12 10:47 J -31789706.10 -31789706.05 -31789706.00 0.3617 0.3283

Mercury -91746-04-06 13:39 J -31788708.02 -31788707.93 -31788707.84 0.3782 0.2213

Mercury -91741-10-20 07:39 J -31786684.28 -31786684.18 -31786684.08 0.3779 0.1522

Mercury -91735-05-06 02:08 J -31784660.52 -31784660.41 -31784660.31 0.3776 0.0804

Mercury -91730-11-19 20:23 J -31782636.76 -31782636.65 -31782636.53 0.3773 0.0161

Mercury -91726-11-18 09:49 J -31781177.18 -31781177.09 -31781176.99 0.3597 0.2565

Mercury -91724-06-04 15:06 J -31780612.98 -31780612.87 -31780612.76 0.3770 0.0710

Mercury -91720-06-03 11:01 J -31779153.16 -31779153.04 -31779152.91 0.3600 0.1440

Mercury -91719-12-19 10:03 J -31778589.18 -31778589.08 -31778588.98 0.3766 0.1489

Mercury -91715-12-18 11:44 J -31777129.14 -31777129.01 -31777128.87 0.3603 0.0362

Mercury -91713-07-04 05:01 J -31776565.37 -31776565.29 -31776565.20 0.3763 0.2298

Mercury -91709-07-03 11:59 J -31775105.13 -31775105.00 -31775104.86 0.3607 0.0677

Mercury -91707-01-18 00:27 J -31774541.54 -31774541.48 -31774541.42 0.3759 0.3116

Mercury -91703-01-17 11:44 J -31773081.12 -31773081.01 -31773080.89 0.3610 0.1668

Mercury -91701-10-11 23:59 J -31772082.54 -31772082.50 -31772082.45 0.3787 0.3389

Mercury -91698-08-03 11:15 J -31771057.12 -31771057.03 -31771056.94 0.3614 0.2605

Mercury -91695-04-27 17:44 J -31770058.83 -31770058.76 -31770058.68 0.3784 0.2725

Mercury -91692-02-16 10:18 J -31769033.10 -31769033.07 -31769033.04 0.3618 0.3506

Mercury -91690-11-11 11:44 J -31768035.10 -31768035.01 -31768034.92 0.3781 0.2039

Mercury -91684-05-27 05:59 J -31766011.36 -31766011.25 -31766011.15 0.3779 0.1337

Mercury -91679-12-11 00:13 J -31763987.60 -31763987.49 -31763987.38 0.3775 0.0610

Mercury -91675-12-09 08:23 J -31762528.19 -31762528.15 -31762528.11 0.3595 0.3432

Mercury -91673-06-25 18:42 J -31761963.83 -31761963.72 -31761963.61 0.3772 0.0160

Mercury -91669-06-24 10:03 J -31760504.19 -31760504.08 -31760503.98 0.3598 0.2270

Mercury -91667-01-09 13:25 J -31759940.05 -31759939.94 -31759939.83 0.3769 0.0906

Mercury -91663-01-08 11:01 J -31758480.17 -31758480.04 -31758479.91 0.3601 0.1158

Mercury -91662-07-26 08:23 J -31757916.25 -31757916.15 -31757916.05 0.3765 0.1694

Mercury -91658-07-25 11:44 J -31756456.15 -31756456.01 -31756455.88 0.3604 0.0131

Mercury -91656-02-08 03:35 J -31755892.43 -31755892.35 -31755892.26 0.3762 0.2502

Mercury -91652-02-07 11:44 J -31754432.14 -31754432.01 -31754431.88 0.3608 0.0933

Mercury -91651-08-24 23:01 J -31753868.59 -31753868.54 -31753868.49 0.3758 0.3329

Mercury -91647-08-24 11:30 J -31752408.13 -31752408.02 -31752407.91 0.3611 0.1907

Mercury -91644-05-18 22:03 J -31751409.63 -31751409.58 -31751409.53 0.3786 0.3219

Mercury -91641-03-09 10:47 J -31750384.13 -31750384.05 -31750383.97 0.3615 0.2837

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Mercury -91616-01-30 17:01 J -31741290.90 -31741290.79 -31741290.68 0.3771 0.0342

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Mercury -91536-01-14 00:27 J -31712087.52 -31712087.48 -31712087.45 0.3787 0.3536

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Mercury -91469-09-19 10:18 J -31687367.16 -31687367.07 -31687366.98 0.3781 0.2023

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Mercury -91458-10-19 22:47 J -31683319.66 -31683319.55 -31683319.44 0.3775 0.0608

Mercury -91454-10-18 07:39 J -31681860.23 -31681860.18 -31681860.14 0.3595 0.3394

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Mercury -91426-07-03 10:18 J -31671740.18 -31671740.07 -31671739.96 0.3612 0.1904

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Mercury -91369-02-07 10:03 J -31651067.19 -31651067.08 -31651066.98 0.3613 0.2147

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Mercury -91318-02-28 10:03 J -31632418.20 -31632418.08 -31632417.96 0.3610 0.1430

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Mercury -91271-03-22 02:08 J -31615229.49 -31615229.41 -31615229.32 0.3762 0.2315

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Mercury -91038-05-08 19:11 J -31530078.75 -31530078.70 -31530078.65 0.3786 0.3351

Mercury -91035-02-27 07:54 J -31529053.26 -31529053.17 -31529053.08 0.3616 0.2601

Mercury -91033-11-21 12:56 J -31528055.03 -31528054.96 -31528054.88 0.3783 0.2694

Mercury -91030-09-13 06:42 J -31527029.25 -31527029.22 -31527029.19 0.3619 0.3487

Mercury -91027-06-07 06:56 J -31526031.30 -31526031.21 -31526031.11 0.3780 0.2014

Mercury -91022-12-22 01:11 J -31524007.55 -31524007.45 -31524007.34 0.3777 0.1309

Mercury -91016-07-06 19:39 J -31521983.79 -31521983.68 -31521983.57 0.3774 0.0583

Mercury -91012-07-05 05:30 J -31520524.31 -31520524.27 -31520524.22 0.3596 0.3358

Mercury -91010-01-20 14:08 J -31519960.02 -31519959.91 -31519959.80 0.3771 0.0183

Mercury -91006-01-19 06:56 J -31518500.31 -31518500.21 -31518500.10 0.3599 0.2216

Mercury -91005-08-05 09:06 J -31517936.23 -31517936.12 -31517936.02 0.3767 0.0939

Mercury -91001-08-04 07:54 J -31516476.30 -31516476.17 -31516476.04 0.3602 0.1120

91ST MILLENNIUM BCE

This is a list of transits visible from Venus in the 91st millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-90999-02-19 04:03 J	-31515912.43	-31515912.33	-31515912.23	0.3764	0.1717		
Mercury	-90995-02-18 08:37 J	-31514452.28	-31514452.14	-31514452.01	0.3606	0.0137		
Mercury	-90994-09-04 23:15 J	-31513888.61	-31513888.53	-31513888.45	0.3760	0.2521		
Mercury	-90990-09-04 08:23 J	-31512428.27	-31512428.15	-31512428.02	0.3609	0.0949		
Mercury	-90988-03-20 18:42 J	-31511864.77	-31511864.72	-31511864.67	0.3756	0.3348		
Mercury	-90984-03-20 08:08 J	-31510404.27	-31510404.16	-31510404.05	0.3613	0.1906		
Mercury	-90982-12-13 17:15 J	-31509405.84	-31509405.78	-31509405.72	0.3785	0.3188		
Mercury	-90979-10-04 07:11 J	-31508380.28	-31508380.20	-31508380.12	0.3617	0.2825		
Mercury	-90976-06-28 11:15 J	-31507382.11	-31507382.03	-31507381.95	0.3782	0.2521		
Mercury	-90970-01-12 05:15 J	-31505358.38	-31505358.28	-31505358.19	0.3779	0.1833		
Mercury	-90965-07-27 23:30 J	-31503334.63	-31503334.52	-31503334.42	0.3776	0.1126		
Mercury	-90959-02-10 17:59 J	-31501310.86	-31501310.75	-31501310.64	0.3773	0.0408		
Mercury	-90955-02-09 05:44 J	-31499851.33	-31499851.26	-31499851.18	0.3597	0.3061		
Mercury	-90954-08-27 12:27 J	-31499287.09	-31499286.98	-31499286.87	0.3770	0.0363		
Mercury	-90950-08-26 07:11 J	-31497827.32	-31497827.20	-31497827.09	0.3600	0.1932		
Mercury	-90948-03-12 07:25 J	-31497263.30	-31497263.19	-31497263.08	0.3766	0.1127		
Mercury	-90944-03-11 07:54 J	-31495803.30	-31495803.17	-31495803.03	0.3603	0.0847		

Mercury -90943-09-26 02:23 J -31495239.49 -31495239.40 -31495239.30 0.3763 0.1918

Mercury -90939-09-25 08:23 J -31493779.29 -31493779.15 -31493779.02 0.3607 0.0217

Mercury -90937-04-10 21:49 J -31493215.67 -31493215.59 -31493215.52 0.3759 0.2729

Mercury -90933-04-10 08:08 J -31491755.29 -31491755.16 -31491755.03 0.3610 0.1186

Mercury -90932-10-25 17:15 J -31491191.81 -31491191.78 -31491191.75 0.3755 0.3556

Mercury -90930-01-03 21:35 J -31490756.62 -31490756.60 -31490756.58 0.3786 0.3673

Mercury -90928-10-25 07:39 J -31489731.29 -31489731.18 -31489731.08 0.3614 0.2139

Mercury -90925-07-19 15:20 J -31488732.92 -31488732.86 -31488732.80 0.3784 0.3019

Mercury -90922-05-11 06:42 J -31487707.29 -31487707.22 -31487707.16 0.3618 0.3041

Mercury -90919-02-02 09:20 J -31486709.20 -31486709.11 -31486709.03 0.3781 0.2347

Mercury -90914-08-19 03:20 J -31484685.46 -31484685.36 -31484685.26 0.3778 0.1656

Mercury -90908-03-03 21:35 J -31482661.70 -31482661.60 -31482661.49 0.3775 0.0950

Mercury -90903-09-17 16:03 J -31480637.94 -31480637.83 -31480637.71 0.3772 0.0256

Mercury -90899-09-16 05:59 J -31479178.34 -31479178.25 -31479178.16 0.3598 0.2766

Mercury -90897-04-02 10:47 J -31478614.16 -31478614.05 -31478613.94 0.3769 0.0553

Mercury -90893-04-01 07:11 J -31477154.32 -31477154.20 -31477154.08 0.3601 0.1655

Mercury -90892-10-17 05:44 J -31476590.37 -31476590.26 -31476590.16 0.3765 0.1320

Mercury -90888-10-16 07:54 J -31475130.31 -31475130.17 -31475130.04 0.3604 0.0579

Mercury -90886-05-03 00:56 J -31474566.56 -31474566.46 -31474566.37 0.3762 0.2121

Mercury -90882-05-02 07:54 J -31473106.30 -31473106.17 -31473106.03 0.3608 0.0445

Mercury -90881-11-15 20:08 J -31472542.73 -31472542.66 -31472542.59 0.3758 0.2933

Mercury -90877-11-15 07:54 J -31471082.30 -31471082.17 -31471082.05 0.3611 0.1434

Mercury -90874-08-10 19:39 J -31470083.72 -31470083.68 -31470083.64 0.3786 0.3509

Mercury -90871-06-01 07:11 J -31469058.30 -31469058.20 -31469058.11 0.3615 0.2365

Mercury -90868-02-23 13:25 J -31468060.01 -31468059.94 -31468059.87 0.3783 0.2849

Mercury -90866-12-16 05:59 J -31467034.30 -31467034.25 -31467034.19 0.3619 0.3258

Mercury -90863-09-09 07:25 J -31466036.28 -31466036.19 -31466036.10 0.3781 0.2173

Mercury -90857-03-25 01:39 J -31464012.53 -31464012.43 -31464012.33 0.3778 0.1482

Mercury -90852-10-08 19:54 J -31461988.78 -31461988.67 -31461988.56 0.3775 0.0760

Mercury -90846-04-24 14:23 J -31459965.01 -31459964.90 -31459964.79 0.3771 0.0097

Mercury -90842-04-23 05:59 J -31458505.35 -31458505.25 -31458505.15 0.3599 0.2489

Mercury -90841-11-07 09:06 J -31457941.23 -31457941.12 -31457941.01 0.3768 0.0740

Mercury -90837-11-06 07:11 J -31456481.33 -31456481.20 -31456481.08 0.3602 0.1378

Mercury -90835-05-24 04:03 J -31455917.43 -31455917.33 -31455917.22 0.3764 0.1520

Mercury -90831-05-23 07:39 J -31454457.32 -31454457.18 -31454457.05 0.3605 0.0340

Mercury -90830-12-07 23:15 J -31453893.62 -31453893.53 -31453893.44 0.3761 0.2319

Mercury -90826-12-07 07:39 J -31452433.31 -31452433.18 -31452433.05 0.3609 0.0693

Mercury -90824-06-22 18:42 J -31451869.78 -31451869.72 -31451869.66 0.3757 0.3140

Mercury -90820-06-22 07:25 J -31450409.31 -31450409.19 -31450409.08 0.3612 0.1664

Mercury -90817-03-16 17:44 J -31449410.81 -31449410.76 -31449410.71 0.3785 0.3346

Mercury -90814-01-06 06:27 J -31448385.32 -31448385.23 -31448385.14 0.3616 0.2591

Mercury -90812-09-30 11:30 J -31447387.10 -31447387.02 -31447386.94 0.3783 0.2685

Mercury -90809-07-22 05:30 J -31446361.31 -31446361.27 -31446361.24 0.3620 0.3474

Mercury -90806-04-16 05:30 J -31445363.36 -31445363.27 -31445363.18 0.3780 0.2000

Mercury -90801-10-29 23:44 J -31443339.62 -31443339.51 -31443339.41 0.3777 0.1305

Mercury -90795-05-15 17:59 J -31441315.85 -31441315.75 -31441315.64 0.3774 0.0598

Mercury -90791-05-14 04:32 J -31439856.35 -31439856.31 -31439856.26 0.3596 0.3344

Mercury -90790-11-29 12:42 J -31439292.08 -31439291.97 -31439291.86 0.3770 0.0175

Mercury -90786-11-28 05:59 J -31437832.36 -31437832.25 -31437832.14 0.3599 0.2207

Mercury -90784-06-14 07:25 J -31437268.30 -31437268.19 -31437268.08 0.3767 0.0932

Mercury -90780-06-13 06:56 J -31435808.34 -31435808.21 -31435808.08 0.3603 0.1111

Mercury -90779-12-29 02:23 J -31435244.50 -31435244.40 -31435244.29 0.3763 0.1720

Mercury -90775-12-28 07:25 J -31433784.33 -31433784.19 -31433784.06 0.3606 0.0112

Mercury -90773-07-13 21:49 J -31433220.68 -31433220.59 -31433220.51 0.3759 0.2525

Mercury -90769-07-13 07:25 J -31431760.32 -31431760.19 -31431760.06 0.3610 0.0939

Mercury -90767-01-27 17:15 J -31431196.83 -31431196.78 -31431196.73 0.3756 0.3350

Mercury -90763-01-27 06:56 J -31429736.32 -31429736.21 -31429736.10 0.3613 0.1898

Mercury -90761-10-21 15:35 J -31428737.90 -31428737.85 -31428737.79 0.3784 0.3187

Mercury -90758-08-13 05:59 J -31427712.33 -31427712.25 -31427712.17 0.3617 0.2814

Mercury -90755-05-07 09:35 J -31426714.18 -31426714.10 -31426714.02 0.3782 0.2516

Mercury -90750-11-21 03:35 J -31424690.44 -31424690.35 -31424690.25 0.3779 0.1830

Mercury -90744-06-05 21:49 J -31422666.69 -31422666.59 -31422666.48 0.3776 0.1125

Mercury -90739-12-20 16:18 J -31420642.93 -31420642.82 -31420642.71 0.3773 0.0397

Mercury -90735-12-19 04:47 J -31419183.37 -31419183.30 -31419183.23 0.3597 0.3052

Mercury -90733-07-05 11:01 J -31418619.15 -31418619.04 -31418618.93 0.3769 0.0360

Mercury -90729-07-04 06:13 J -31417159.36 -31417159.24 -31417159.13 0.3600 0.1929

Mercury -90727-01-19 05:44 J -31416595.36 -31416595.26 -31416595.15 0.3766 0.1132

Mercury -90723-01-18 06:56 J -31415135.35 -31415135.21 -31415135.08 0.3603 0.0851

Mercury -90722-08-05 00:56 J -31414571.56 -31414571.46 -31414571.36 0.3762 0.1918

Mercury -90718-08-04 07:11 J -31413111.33 -31413111.20 -31413111.07 0.3607 0.0192

Mercury -90716-02-17 20:23 J -31412547.73 -31412547.65 -31412547.58 0.3758 0.2735

Mercury -90712-02-17 06:56 J -31411087.33 -31411087.21 -31411087.08 0.3611 0.1190

Mercury -90711-09-03 15:49 J -31410523.87 -31410523.84 -31410523.80 0.3754 0.3565

Mercury -90710-11-12 19:54 J -31410088.69 -31410088.67 -31410088.64 0.3786 0.3670

Mercury -90707-09-03 06:27 J -31409063.34 -31409063.23 -31409063.12 0.3614 0.2132

Mercury -90704-05-28 13:39 J -31408064.99 -31408064.93 -31408064.86 0.3784 0.3020

Mercury -90701-03-19 05:30 J -31407039.34 -31407039.27 -31407039.20 0.3618 0.3036

Mercury -90699-12-12 07:39 J -31406041.26 -31406041.18 -31406041.09 0.3781 0.2347

Mercury -90693-06-27 01:54 J -31404017.52 -31404017.42 -31404017.33 0.3778 0.1659

Mercury -90687-01-10 20:08 J -31401993.77 -31401993.66 -31401993.55 0.3775 0.0942

Mercury -90682-07-27 14:37 J -31399970.00 -31399969.89 -31399969.78 0.3772 0.0206

Mercury -90678-07-26 05:01 J -31398510.38 -31398510.29 -31398510.20 0.3598 0.2761

Mercury -90676-02-09 09:20 J -31397946.22 -31397946.11 -31397946.00 0.3768 0.0551

Mercury -90672-02-08 06:13 J -31396486.36 -31396486.24 -31396486.12 0.3601 0.1647

Mercury -90671-08-26 04:18 J -31395922.43 -31395922.32 -31395922.22 0.3765 0.1325

Mercury -90667-08-25 06:42 J -31394462.35 -31394462.22 -31394462.08 0.3605 0.0579

Mercury -90665-03-10 23:30 J -31393898.62 -31393898.52 -31393898.43 0.3761 0.2126

Mercury -90661-03-10 06:56 J -31392438.34 -31392438.21 -31392438.08 0.3608 0.0449

Mercury -90660-09-24 18:42 J -31391874.79 -31391874.72 -31391874.65 0.3757 0.2943

Mercury -90656-09-24 06:42 J -31390414.34 -31390414.22 -31390414.10 0.3612 0.1425

Mercury -90653-06-18 17:59 J -31389415.79 -31389415.75 -31389415.71 0.3785 0.3507

Mercury -90650-04-10 05:59 J -31388390.35 -31388390.25 -31388390.15 0.3616 0.2361

Mercury -90647-01-02 11:44 J -31387392.08 -31387392.01 -31387391.94 0.3783 0.2854

Mercury -90645-10-24 05:01 J -31386366.35 -31386366.29 -31386366.24 0.3620 0.3257

Mercury -90642-07-19 05:44 J -31385368.35 -31385368.26 -31385368.17 0.3780 0.2175

Mercury -90636-01-31 23:59 J -31383344.60 -31383344.50 -31383344.40 0.3777 0.1475

Mercury -90631-08-17 18:27 J -31381320.84 -31381320.73 -31381320.63 0.3774 0.0772

Mercury -90625-03-02 12:56 J -31379297.07 -31379296.96 -31379296.85 0.3771 0.0035

Mercury -90621-03-01 05:01 J -31377837.38 -31377837.29 -31377837.19 0.3599 0.2475

Mercury -90620-09-16 07:39 J -31377273.29 -31377273.18 -31377273.07 0.3767 0.0745

Mercury -90616-09-15 05:59 J -31375813.37 -31375813.25 -31375813.12 0.3602 0.1377

Mercury -90614-04-02 02:37 J -31375249.49 -31375249.39 -31375249.28 0.3764 0.1526

Mercury -90610-04-01 06:42 J -31373789.36 -31373789.22 -31373789.09 0.3606 0.0335

Mercury -90609-10-15 21:49 J -31373225.68 -31373225.59 -31373225.50 0.3760 0.2325

Mercury -90605-10-15 06:42 J -31371765.35 -31371765.22 -31371765.09 0.3609 0.0696

Mercury -90603-05-01 17:15 J -31371201.84 -31371201.78 -31371201.72 0.3756 0.3153

Mercury -90599-05-01 06:13 J -31369741.36 -31369741.24 -31369741.12 0.3613 0.1657

Mercury -90596-01-23 16:03 J -31368742.88 -31368742.83 -31368742.78 0.3785 0.3345

Mercury -90594-11-15 05:30 J -31367717.36 -31367717.27 -31367717.18 0.3617 0.2587

Mercury -90591-08-09 09:49 J -31366719.16 -31366719.09 -31366719.01 0.3782 0.2687

Mercury -90588-05-31 04:03 J -31365693.36 -31365693.33 -31365693.29 0.3621 0.3465

Mercury -90585-02-23 04:03 J -31364695.43 -31364695.33 -31364695.24 0.3779 0.2001

Mercury -90580-09-07 22:18 J -31362671.68 -31362671.57 -31362671.47 0.3776 0.1302

Mercury -90574-03-24 16:32 J -31360647.92 -31360647.81 -31360647.70 0.3773 0.0580

Mercury -90570-03-23 03:49 J -31359188.39 -31359188.34 -31359188.29 0.3597 0.3327

Mercury -90569-10-07 11:15 J -31358624.14 -31358624.03 -31358623.92 0.3770 0.0192

Mercury -90565-10-06 05:15 J -31357164.39 -31357164.28 -31357164.18 0.3600 0.2193

Mercury -90563-04-23 05:59 J -31356600.36 -31356600.25 -31356600.14 0.3766 0.0938

Mercury -90559-04-22 05:59 J -31355140.38 -31355140.25 -31355140.12 0.3603 0.1114

Mercury -90558-11-07 00:56 J -31354576.56 -31354576.46 -31354576.36 0.3763 0.1721

Mercury -90554-11-06 06:27 J -31353116.37 -31353116.23 -31353116.10 0.3607 0.0104

Mercury -90552-05-22 20:23 J -31352552.74 -31352552.65 -31352552.57 0.3759 0.2529

Mercury -90548-05-22 06:13 J -31351092.37 -31351092.24 -31351092.11 0.3610 0.0932

Mercury -90547-12-06 15:49 J -31350528.89 -31350528.84 -31350528.79 0.3755 0.3355

Mercury -90543-12-06 05:44 J -31349068.37 -31349068.26 -31349068.15 0.3614 0.1892

Mercury -90540-08-30 14:08 J -31348069.97 -31348069.91 -31348069.86 0.3784 0.3182

Mercury -90537-06-21 04:47 J -31347044.38 -31347044.30 -31347044.22 0.3618 0.2803

Mercury -90534-03-16 07:54 J -31346046.25 -31346046.17 -31346046.08 0.3781 0.2519

Mercury -90529-09-29 02:08 J -31344022.51 -31344022.41 -31344022.32 0.3779 0.1830

Mercury -90523-04-14 20:23 J -31341998.76 -31341998.65 -31341998.54 0.3775 0.1118

Mercury -90518-10-29 14:51 J -31339974.99 -31339974.88 -31339974.77 0.3772 0.0407

Mercury -90514-10-28 03:49 J -31338515.41 -31338515.34 -31338515.26 0.3598 0.3038

Mercury -90512-05-14 09:35 J -31337951.22 -31337951.10 -31337950.99 0.3769 0.0380

Mercury -90508-05-13 05:01 J -31336491.40 -31336491.29 -31336491.17 0.3601 0.1923

Mercury -90507-11-28 04:18 J -31335927.43 -31335927.32 -31335927.21 0.3765 0.1128

Mercury -90503-11-27 05:44 J -31334467.39 -31334467.26 -31334467.13 0.3604 0.0846

Mercury -90501-06-12 23:30 J -31333903.62 -31333903.52 -31333903.43 0.3762 0.1919

Mercury -90497-06-12 05:59 J -31332443.38 -31332443.25 -31332443.11 0.3607 0.0204

Mercury -90496-12-27 18:42 J -31331879.79 -31331879.72 -31331879.64 0.3758 0.2734

Mercury -90492-12-27 05:44 J -31330419.38 -31330419.26 -31330419.13 0.3611 0.1181

Mercury -90490-07-13 14:23 J -31329855.93 -31329855.90 -31329855.87 0.3754 0.3567

Mercury -90489-09-20 18:27 J -31329420.76 -31329420.73 -31329420.71 0.3786 0.3671

Mercury -90486-07-13 05:15 J -31328395.38 -31328395.28 -31328395.17 0.3615 0.2121

Mercury -90483-04-06 12:13 J -31327397.06 -31327396.99 -31327396.93 0.3783 0.3017

Mercury -90480-01-26 04:18 J -31326371.39 -31326371.32 -31326371.25 0.3619 0.3024

Mercury -90478-10-21 05:59 J -31325373.33 -31325373.25 -31325373.16 0.3781 0.2353

Mercury -90472-05-06 00:13 J -31323349.59 -31323349.49 -31323349.39 0.3778 0.1652

Mercury -90467-11-19 18:27 J -31321325.83 -31321325.73 -31321325.62 0.3775 0.0948

Mercury -90461-06-04 13:11 J -31319302.07 -31319301.95 -31319301.84 0.3771 0.0253

Mercury -90457-06-03 04:03 J -31317842.42 -31317842.33 -31317842.25 0.3598 0.2756

Mercury -90456-12-19 07:54 J -31317278.29 -31317278.17 -31317278.06 0.3768 0.0564

Mercury -90452-12-18 05:01 J -31315818.41 -31315818.29 -31315818.17 0.3602 0.1648

Mercury -90450-07-05 02:51 J -31315254.49 -31315254.38 -31315254.28 0.3764 0.1333

Mercury -90446-07-04 05:44 J -31313794.39 -31313794.26 -31313794.13 0.3605 0.0581

Mercury -90444-01-17 21:49 J -31313230.68 -31313230.59 -31313230.49 0.3761 0.2124

Mercury -90440-01-17 05:44 J -31311770.39 -31311770.26 -31311770.12 0.3609 0.0443

Mercury -90439-08-03 17:15 J -31311206.85 -31311206.78 -31311206.71 0.3757 0.2944

Mercury -90435-08-03 05:30 J -31309746.39 -31309746.27 -31309746.15 0.3612 0.1419

Mercury -90432-04-27 16:18 J -31308747.85 -31308747.82 -31308747.78 0.3785 0.3511

Mercury -90429-02-17 04:47 J -31307722.40 -31307722.30 -31307722.20 0.3616 0.2351

Mercury -90427-11-11 10:18 J -31306724.14 -31306724.07 -31306724.00 0.3782 0.2855

Mercury -90424-09-02 03:35 J -31305698.40 -31305698.35 -31305698.29 0.3620 0.3245

Mercury -90421-05-27 04:18 J -31304700.41 -31304700.32 -31304700.23 0.3780 0.2178

Mercury -90416-12-10 22:32 J -31302676.67 -31302676.56 -31302676.46 0.3777 0.1485

Mercury -90410-06-26 16:47 J -31300652.91 -31300652.80 -31300652.69 0.3774 0.0758

Mercury -90404-01-09 11:15 J -31298629.14 -31298629.03 -31298628.91 0.3770 0.0142

Mercury -90400-01-08 04:03 J -31297169.43 -31297169.33 -31297169.23 0.3599 0.2470

Mercury -90399-07-26 06:13 J -31296605.35 -31296605.24 -31296605.13 0.3767 0.0748

Mercury -90395-07-25 05:01 J -31295145.42 -31295145.29 -31295145.16 0.3603 0.1374

Mercury -90393-02-09 01:11 J -31294581.55 -31294581.45 -31294581.35 0.3763 0.1525

Mercury -90389-02-08 05:30 J -31293121.40 -31293121.27 -31293121.13 0.3606 0.0320

Mercury -90388-08-24 20:23 J -31292557.74 -31292557.65 -31292557.56 0.3759 0.2327

Mercury -90384-08-24 05:30 J -31291097.40 -31291097.27 -31291097.14 0.3610 0.0691

Mercury -90382-03-10 15:49 J -31290533.90 -31290533.84 -31290533.78 0.3755 0.3157

Mercury -90378-03-10 05:15 J -31289073.40 -31289073.28 -31289073.17 0.3613 0.1661

Mercury -90376-12-02 14:23 J -31288074.95 -31288074.90 -31288074.85 0.3784 0.3349

Mercury -90373-09-23 04:18 J -31287049.41 -31287049.32 -31287049.23 0.3617 0.2578

Mercury -90370-06-18 08:23 J -31286051.23 -31286051.15 -31286051.08 0.3782 0.2688

Mercury -90367-04-09 03:06 J -31285025.41 -31285025.37 -31285025.34 0.3621 0.3458

Mercury -90364-01-01 02:23 J -31284027.49 -31284027.40 -31284027.31 0.3779 0.2005

Mercury -90359-07-17 20:37 J -31282003.74 -31282003.64 -31282003.54 0.3776 0.1298

Mercury -90353-01-31 15:06 J -31279979.98 -31279979.87 -31279979.76 0.3773 0.0576

Mercury -90349-01-30 02:51 J -31278520.43 -31278520.38 -31278520.33 0.3597 0.3320

Mercury -90348-08-16 09:35 J -31277956.21 -31277956.10 -31277955.98 0.3769 0.0226

Mercury -90344-08-15 04:03 J -31276496.44 -31276496.33 -31276496.22 0.3600 0.2191

Mercury -90342-03-02 04:32 J -31275932.42 -31275932.31 -31275932.20 0.3766 0.0940

Mercury -90338-03-01 05:01 J -31274472.42 -31274472.29 -31274472.16 0.3604 0.1103

Mercury -90337-09-14 23:30 J -31273908.62 -31273908.52 -31273908.41 0.3762 0.1731

Mercury -90333-09-14 05:15 J -31272448.41 -31272448.28 -31272448.14 0.3607 0.0069

Mercury -90331-03-31 18:56 J -31271884.79 -31271884.71 -31271884.63 0.3758 0.2533

Mercury -90327-03-31 05:15 J -31270424.41 -31270424.28 -31270424.15 0.3611 0.0938

Mercury -90326-10-15 14:23 J -31269860.95 -31269860.90 -31269860.85 0.3755 0.3362

Mercury -90322-10-15 04:47 J -31268400.42 -31268400.30 -31268400.19 0.3614 0.1892

Mercury -90319-07-09 12:27 J -31267402.03 -31267401.98 -31267401.92 0.3784 0.3184

Mercury -90316-04-30 03:35 J -31266376.43 -31266376.35 -31266376.27 0.3618 0.2797

Mercury -90313-01-23 06:27 J -31265378.31 -31265378.23 -31265378.15 0.3781 0.2518

Mercury -90308-08-08 00:27 J -31263354.57 -31263354.48 -31263354.38 0.3778 0.1833

Mercury -90302-02-21 18:56 J -31261330.82 -31261330.71 -31261330.61 0.3775 0.1130

Mercury -90297-09-06 13:25 J -31259307.06 -31259306.94 -31259306.83 0.3772 0.0416

Mercury -90293-09-05 02:51 J -31257847.45 -31257847.38 -31257847.30 0.3598 0.3033

Mercury -90291-03-23 07:54 J -31257283.28 -31257283.17 -31257283.05 0.3768 0.0379

Mercury -90287-03-22 04:03 J -31255823.44 -31255823.33 -31255823.21 0.3601 0.1915

Mercury -90286-10-07 02:51 J -31255259.49 -31255259.38 -31255259.27 0.3765 0.1133

Mercury -90282-10-06 04:47 J -31253799.43 -31253799.30 -31253799.17 0.3605 0.0841

Mercury -90280-04-21 22:03 J -31253235.68 -31253235.58 -31253235.48 0.3761 0.1925

Mercury -90276-04-21 05:01 J -31251775.43 -31251775.29 -31251775.16 0.3608 0.0192

Mercury -90275-11-05 17:15 J -31251211.85 -31251211.78 -31251211.70 0.3757 0.2737

Mercury -90271-11-05 04:47 J -31249751.42 -31249751.30 -31249751.17 0.3612 0.1179

Mercury -90269-05-21 12:56 J -31249187.99 -31249187.96 -31249187.93 0.3753 0.3575

Mercury -90268-07-30 16:47 J -31248752.82 -31248752.80 -31248752.78 0.3785 0.3675

Mercury -90265-05-21 04:03 J -31247727.44 -31247727.33 -31247727.22 0.3616 0.2111

Mercury -90262-02-13 10:32 J -31246729.12 -31246729.06 -31246729.00 0.3783 0.3019

Mercury -90260-12-05 03:06 J -31245703.44 -31245703.37 -31245703.30 0.3620 0.3016

Mercury -90257-08-29 04:32 J -31244705.39 -31244705.31 -31244705.23 0.3780 0.2348

Mercury -90251-03-14 22:47 J -31242681.65 -31242681.55 -31242681.45 0.3777 0.1656

Mercury -90246-09-28 17:01 J -31240657.90 -31240657.79 -31240657.68 0.3774 0.0940

Mercury -90240-04-13 11:30 J -31238634.13 -31238634.02 -31238633.91 0.3771 0.0235

Mercury -90236-04-12 03:06 J -31237174.46 -31237174.37 -31237174.29 0.3599 0.2753

Mercury -90235-10-28 06:13 J -31236610.35 -31236610.24 -31236610.13 0.3768 0.0556

Mercury -90231-10-27 04:03 J -31235150.45 -31235150.33 -31235150.21 0.3602 0.1640

Mercury -90229-05-13 01:11 J -31234586.55 -31234586.45 -31234586.34 0.3764 0.1337

Mercury -90225-05-12 04:32 J -31233126.44 -31233126.31 -31233126.18 0.3606 0.0587

Mercury -90224-11-26 20:23 J -31232562.74 -31232562.65 -31232562.55 0.3760 0.2127

Mercury -90220-11-26 04:47 J -31231102.43 -31231102.30 -31231102.17 0.3609 0.0441

Mercury -90218-06-12 15:49 J -31230538.91 -31230538.84 -31230538.77 0.3756 0.2946

Mercury -90214-06-12 04:18 J -31229078.44 -31229078.32 -31229078.20 0.3613 0.1410

Mercury -90211-03-06 14:51 J -31228079.92 -31228079.88 -31228079.84 0.3785 0.3512

Mercury -90209-12-26 03:35 J -31227054.45 -31227054.35 -31227054.25 0.3617 0.2341

Mercury -90206-09-20 08:37 J -31226056.21 -31226056.14 -31226056.07 0.3782 0.2856

Mercury -90203-07-12 02:23 J -31225030.45 -31225030.40 -31225030.34 0.3621 0.3230

Mercury -90200-04-05 02:37 J -31224032.48 -31224032.39 -31224032.30 0.3779 0.2179

Mercury -90195-10-19 20:51 J -31222008.73 -31222008.63 -31222008.53 0.3776 0.1481

Mercury -90189-05-04 15:20 J -31219984.97 -31219984.86 -31219984.75 0.3773 0.0758

Mercury -90184-11-18 09:49 J -31217961.20 -31217961.09 -31217960.98 0.3770 0.0037

Mercury -90180-11-17 03:06 J -31216501.47 -31216501.37 -31216501.27 0.3600 0.2467

Mercury -90178-06-04 04:32 J -31215937.42 -31215937.31 -31215937.19 0.3767 0.0759

Mercury -90174-06-03 04:03 J -31214477.46 -31214477.33 -31214477.21 0.3603 0.1378

Mercury -90173-12-17 23:44 J -31213913.62 -31213913.51 -31213913.41 0.3763 0.1527

Mercury -90169-12-17 04:18 J -31212453.45 -31212453.32 -31212453.18 0.3607 0.0338

Mercury -90167-07-03 18:56 J -31211889.80 -31211889.71 -31211889.62 0.3759 0.2329

Mercury -90163-07-03 04:18 J -31210429.45 -31210429.32 -31210429.18 0.3610 0.0696

Mercury -90161-01-17 14:23 J -31209865.96 -31209865.90 -31209865.84 0.3755 0.3153

Mercury -90157-01-17 03:49 J -31208405.45 -31208405.34 -31208405.22 0.3614 0.1650

Mercury -90155-10-11 12:56 J -31207407.01 -31207406.96 -31207406.92 0.3784 0.3355

Mercury -90152-08-02 03:06 J -31206381.46 -31206381.37 -31206381.28 0.3618 0.2568

Mercury -90149-04-26 06:42 J -31205383.29 -31205383.22 -31205383.14 0.3781 0.2689

Mercury -90146-02-16 01:54 J -31204357.46 -31204357.42 -31204357.39 0.3622 0.3448

Mercury -90144-11-10 00:42 J -31203359.56 -31203359.47 -31203359.37 0.3778 0.2012

Mercury -90138-05-26 18:56 J -31201335.81 -31201335.71 -31201335.60 0.3776 0.1311

Mercury -90133-12-09 13:25 J -31199312.05 -31199311.94 -31199311.83 0.3772 0.0587

Mercury -90129-12-08 01:54 J -31197852.47 -31197852.42 -31197852.37 0.3597 0.3320

Mercury -90127-06-25 08:08 J -31197288.27 -31197288.16 -31197288.05 0.3769 0.0169

Mercury -90123-06-24 03:06 J -31195828.48 -31195828.37 -31195828.26 0.3601 0.2191

Mercury -90121-01-09 03:06 J -31195264.48 -31195264.37 -31195264.26 0.3765 0.0940

Mercury -90117-01-08 03:49 J -31193804.47 -31193804.34 -31193804.21 0.3604 0.1109

Mercury -90116-07-24 22:03 J -31193240.68 -31193240.58 -31193240.48 0.3762 0.1729

Mercury -90112-07-24 04:18 J -31191780.46 -31191780.32 -31191780.19 0.3608 0.0112

Mercury -90110-02-07 17:30 J -31191216.86 -31191216.77 -31191216.69 0.3758 0.2536

Mercury -90106-02-07 04:03 J -31189756.46 -31189756.33 -31189756.20 0.3611 0.0928

Mercury -90105-08-23 12:56 J -31189193.00 -31189192.96 -31189192.91 0.3754 0.3368

Mercury -90101-08-23 03:35 J -31187732.47 -31187732.35 -31187732.24 0.3615 0.1884

Mercury -90098-05-18 10:47 J -31186734.10 -31186734.05 -31186733.99 0.3783 0.3195

Mercury -90095-03-09 02:37 J -31185708.47 -31185708.39 -31185708.31 0.3619 0.2792

Mercury -90093-12-01 04:47 J -31184710.38 -31184710.30 -31184710.22 0.3781 0.2523

Mercury -90087-06-16 23:01 J -31182686.64 -31182686.54 -31182686.45 0.3778 0.1836

Mercury -90082-12-31 17:15 J -31180662.89 -31180662.78 -31180662.67 0.3775 0.1125

Mercury -90076-07-16 11:44 J -31178639.12 -31178639.01 -31178638.90 0.3771 0.0394

Mercury -90072-07-15 01:54 J -31177179.49 -31177179.42 -31177179.34 0.3598 0.3035

Mercury -90070-01-30 06:27 J -31176615.34 -31176615.23 -31176615.12 0.3768 0.0359

Mercury -90066-01-29 03:06 J -31175155.49 -31175155.37 -31175155.25 0.3601 0.1915

Mercury -90065-08-15 01:25 J -31174591.55 -31174591.44 -31174591.33 0.3764 0.1131

Mercury -90061-08-14 03:49 J -31173131.48 -31173131.34 -31173131.21 0.3605 0.0851

Mercury -90059-02-28 20:37 J -31172567.74 -31172567.64 -31172567.54 0.3761 0.1931

Mercury -90055-02-28 04:03 J -31171107.47 -31171107.33 -31171107.20 0.3609 0.0210

Mercury -90054-09-14 16:03 J -31170543.91 -31170543.83 -31170543.76 0.3757 0.2746

Mercury -90050-09-14 03:35 J -31169083.47 -31169083.35 -31169083.22 0.3612 0.1171

Mercury -90048-03-30 11:30 J -31168520.05 -31168520.02 -31168519.98 0.3753 0.3583

Mercury -90047-06-08 15:06 J -31168084.89 -31168084.87 -31168084.85 0.3785 0.3682

Mercury -90044-03-30 03:06 J -31167059.48 -31167059.37 -31167059.27 0.3616 0.2115

Mercury -90042-12-23 08:51 J -31166061.19 -31166061.13 -31166061.06 0.3782 0.3032

Mercury -90039-10-14 01:54 J -31165035.49 -31165035.42 -31165035.35 0.3620 0.3008

Mercury -90036-07-08 02:51 J -31164037.46 -31164037.38 -31164037.29 0.3780 0.2356

Mercury -90030-01-21 21:06 J -31162013.72 -31162013.62 -31162013.52 0.3777 0.1661

Mercury -90025-08-06 15:35 J -31159989.96 -31159989.85 -31159989.75 0.3774 0.0951

Mercury -90019-02-20 10:03 J -31157966.19 -31157966.08 -31157965.97 0.3770 0.0205

Mercury -90015-02-19 02:08 J -31156506.50 -31156506.41 -31156506.32 0.3599 0.2748

Mercury -90014-09-06 04:47 J -31155942.41 -31155942.30 -31155942.19 0.3767 0.0554

Mercury -90010-09-05 03:06 J -31154482.49 -31154482.37 -31154482.25 0.3602 0.1643

Mercury -90008-03-21 23:44 J -31153918.61 -31153918.51 -31153918.40 0.3763 0.1333

Mercury -90004-03-21 03:35 J -31152458.48 -31152458.35 -31152458.22 0.3606 0.0581

Mercury -90003-10-05 18:56 J -31151894.80 -31151894.71 -31151894.61 0.3760 0.2134

90TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 90th millennium BCE.

PLANET	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
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TRANSIT

TIME

Mercury -89999-10-05 03:35 J -31150434.48 -31150434.35 -31150434.21 0.3610 0.0444

Mercury -89997-04-20 14:37 J -31149870.96 -31149870.89 -31149870.83 0.3756 0.2956

Mercury -89993-04-20 03:20 J -31148410.49 -31148410.36 -31148410.24 0.3613 0.1409

Mercury -89990-01-13 13:11 J -31147411.99 -31147411.95 -31147411.91 0.3784 0.3522

Mercury -89988-11-04 02:23 J -31146386.49 -31146386.40 -31146386.30 0.3617 0.2344

Mercury -89985-07-29 07:11 J -31145388.27 -31145388.20 -31145388.14 0.3782 0.2866

Mercury -89982-05-21 01:11 J -31144362.51 -31144362.45 -31144362.39 0.3621 0.3220

Mercury -89979-02-12 01:11 J -31143364.54 -31143364.45 -31143364.36 0.3779 0.2182

Mercury -89974-08-28 19:25 J -31141340.79 -31141340.69 -31141340.59 0.3776 0.1486

Mercury -89968-03-13 13:39 J -31139317.03 -31139316.93 -31139316.82 0.3773 0.0771

Mercury -89963-09-27 08:23 J -31137293.26 -31137293.15 -31137293.04 0.3770 0.0018

Mercury -89959-09-26 02:08 J -31135833.51 -31135833.41 -31135833.31 0.3600 0.2465

Mercury -89957-04-12 03:06 J -31135269.48 -31135269.37 -31135269.26 0.3766 0.0759

Mercury -89953-04-11 03:06 J -31133809.50 -31133809.37 -31133809.25 0.3604 0.1380

Mercury -89952-10-26 22:18 J -31133245.68 -31133245.57 -31133245.47 0.3762 0.1531

Mercury -89948-10-26 03:20 J -31131785.49 -31131785.36 -31131785.22 0.3607 0.0339

Mercury -89946-05-12 17:30 J -31131221.86 -31131221.77 -31131221.68 0.3758 0.2337

Mercury -89942-05-12 03:20 J -31129761.49 -31129761.36 -31129761.23 0.3611 0.0682

Mercury -89941-11-25 12:56 J -31129198.02 -31129197.96 -31129197.90 0.3754 0.3161

Mercury -89937-11-25 02:51 J -31127737.50 -31127737.38 -31127737.26 0.3615 0.1645

Mercury -89934-08-20 11:15 J -31126739.08 -31126739.03 -31126738.98 0.3784 0.3359

Mercury -89931-06-11 01:54 J -31125713.51 -31125713.42 -31125713.33 0.3618 0.2558

Mercury -89928-03-05 05:15 J -31124715.36 -31124715.28 -31124715.21 0.3781 0.2693

Mercury -89926-12-26 00:27 J -31123689.51 -31123689.48 -31123689.44 0.3622 0.3437

Mercury -89923-09-18 23:15 J -31122691.62 -31122691.53 -31122691.44 0.3778 0.2009

Mercury -89917-04-03 17:30 J -31120667.87 -31120667.77 -31120667.66 0.3775 0.1306

Mercury -89912-10-18 11:59 J -31118644.11 -31118644.00 -31118643.89 0.3772 0.0580

Mercury -89908-10-17 00:56 J -31117184.51 -31117184.46 -31117184.41 0.3598 0.3312

Mercury -89906-05-04 06:42 J -31116620.33 -31116620.22 -31116620.11 0.3768 0.0173

Mercury -89902-05-03 02:08 J -31115160.52 -31115160.41 -31115160.30 0.3601 0.2194

Mercury -89901-11-17 01:25 J -31114596.55 -31114596.44 -31114596.33 0.3765 0.0944

Mercury -89897-11-16 02:51 J -31113136.51 -31113136.38 -31113136.25 0.3605 0.1106

Mercury -89895-06-02 20:37 J -31112572.74 -31112572.64 -31112572.54 0.3761 0.1730

Mercury -89891-06-02 03:06 J -31111112.50 -31111112.37 -31111112.24 0.3608 0.0075

Mercury -89890-12-17 16:03 J -31110548.92 -31110548.83 -31110548.75 0.3757 0.2542

Mercury -89886-12-17 02:51 J -31109088.51 -31109088.38 -31109088.25 0.3612 0.0922

Mercury -89884-07-02 11:30 J -31108525.06 -31108525.02 -31108524.97 0.3753 0.3374

Mercury -89880-07-02 02:23 J -31107064.51 -31107064.40 -31107064.29 0.3615 0.1874

Mercury -89877-03-26 09:20 J -31106066.17 -31106066.11 -31106066.05 0.3783 0.3197

Mercury -89874-01-16 01:11 J -31105040.53 -31105040.45 -31105040.37 0.3619 0.2781

Mercury -89872-10-10 03:20 J -31104042.44 -31104042.36 -31104042.28 0.3780 0.2530

Mercury -89866-04-25 21:20 J -31102018.70 -31102018.61 -31102018.51 0.3777 0.1840

Mercury -89861-11-08 15:49 J -31099994.95 -31099994.84 -31099994.74 0.3774 0.1137

Mercury -89855-05-25 10:18 J -31097971.18 -31097971.07 -31097970.96 0.3771 0.0397

Mercury -89851-05-24 00:56 J -31096511.53 -31096511.46 -31096511.39 0.3599 0.3035

Mercury -89850-12-09 05:01 J -31095947.40 -31095947.29 -31095947.18 0.3767 0.0366

Mercury -89846-12-08 02:08 J -31094487.53 -31094487.41 -31094487.30 0.3602 0.1922

Mercury -89844-06-23 23:59 J -31093923.61 -31093923.50 -31093923.40 0.3764 0.1136

Mercury -89840-06-23 02:37 J -31092463.52 -31092463.39 -31092463.26 0.3605 0.0851

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Mercury -89821-10-31 07:25 J -31085393.25 -31085393.19 -31085393.13 0.3782 0.3037

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Mercury -89645-03-03 19:54 J -31021350.77 -31021350.67 -31021350.58 0.3777 0.1841

Mercury -89640-09-17 14:08 J -31019327.01 -31019326.91 -31019326.80 0.3774 0.1134

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Mercury -89625-10-16 01:11 J -31013819.57 -31013819.45 -31013819.34 0.3603 0.1915

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Mercury -89619-05-02 01:39 J -31011795.56 -31011795.43 -31011795.30 0.3606 0.0854

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Mercury -89605-02-24 11:59 J -31006749.02 -31006749.00 -31006748.98 0.3784 0.3696

Mercury -89603-12-16 00:42 J -31005723.58 -31005723.47 -31005723.37 0.3617 0.2097

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Mercury -89594-03-25 23:44 J -31002701.59 -31002701.51 -31002701.42 0.3779 0.2371

Mercury -89589-10-08 17:59 J -31000677.85 -31000677.75 -31000677.65 0.3776 0.1671

Mercury -89583-04-24 12:27 J -30998654.09 -30998653.98 -30998653.87 0.3773 0.0948

Mercury -89578-11-08 06:56 J -30996630.32 -30996630.21 -30996630.10 0.3770 0.0224

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Mercury -89572-05-24 01:54 J -30994606.53 -30994606.42 -30994606.31 0.3766 0.0560

Mercury -89568-05-23 00:56 J -30993146.58 -30993146.46 -30993146.34 0.3603 0.1653

Mercury -89567-12-07 20:51 J -30992582.74 -30992582.63 -30992582.53 0.3762 0.1333

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Mercury -89546-07-22 23:59 J -30985050.59 -30985050.50 -30985050.40 0.3618 0.2325

Mercury -89543-04-16 03:49 J -30984052.41 -30984052.34 -30984052.27 0.3781 0.2880

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Mercury -89538-10-30 22:03 J -30982028.67 -30982028.58 -30982028.50 0.3778 0.2205

Mercury -89532-05-15 16:18 J -30980004.92 -30980004.82 -30980004.72 0.3775 0.1496

Mercury -89527-11-29 10:32 J -30977981.16 -30977981.06 -30977980.95 0.3772 0.0783

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Mercury -89512-12-28 00:56 J -30972473.59 -30972473.46 -30972473.34 0.3604 0.1388

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Mercury -89487-11-21 01:54 J -30963379.49 -30963379.42 -30963379.34 0.3780 0.2716

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Mercury -89481-06-05 20:08 J -30961355.75 -30961355.66 -30961355.57 0.3777 0.2026

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Mercury -89470-07-06 08:51 J -30957308.24 -30957308.13 -30957308.02 0.3771 0.0594

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Mercury -89436-12-12 06:13 J -30944730.30 -30944730.24 -30944730.19 0.3782 0.3220

Mercury -89433-10-02 23:01 J -30943704.63 -30943704.54 -30943704.46 0.3620 0.2774

Mercury -89430-06-28 00:13 J -30942706.57 -30942706.49 -30942706.41 0.3779 0.2547

Mercury -89424-01-10 18:13 J -30940682.83 -30940682.74 -30940682.64 0.3776 0.1856

Mercury -89419-07-27 12:42 J -30938659.08 -30938658.97 -30938658.87 0.3773 0.1135

Mercury -89413-02-10 07:11 J -30936635.31 -30936635.20 -30936635.09 0.3770 0.0402

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Mercury -89387-04-10 00:13 J -30927079.61 -30927079.49 -30927079.36 0.3614 0.1160

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Mercury -89384-01-02 10:18 J -30926081.09 -30926081.07 -30926081.05 0.3784 0.3714

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Mercury -89379-07-19 04:18 J -30924057.39 -30924057.32 -30924057.26 0.3781 0.3056

Mercury -89376-05-09 22:18 J -30923031.64 -30923031.57 -30923031.50 0.3622 0.2988

Mercury -89373-02-01 22:18 J -30922033.66 -30922033.57 -30922033.49 0.3779 0.2375

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Mercury -89351-04-02 00:27 J -30913938.60 -30913938.48 -30913938.37 0.3765 0.0571

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Mercury -89322-02-23 02:23 J -30903384.47 -30903384.40 -30903384.33 0.3781 0.2886

Mercury -89320-12-14 21:35 J -30902358.66 -30902358.60 -30902358.54 0.3623 0.3207

Mercury -89317-09-07 20:23 J -30901360.74 -30901360.65 -30901360.56 0.3778 0.2205

Mercury -89311-03-24 14:37 J -30899336.99 -30899336.89 -30899336.79 0.3775 0.1501

Mercury -89306-10-08 09:06 J -30897313.23 -30897313.12 -30897313.01 0.3772 0.0775

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Mercury -89296-04-21 23:01 J -30893829.63 -30893829.54 -30893829.44 0.3601 0.2479

Mercury -89295-11-06 22:47 J -30893265.67 -30893265.55 -30893265.44 0.3764 0.0758

Mercury -89291-11-05 23:59 J -30891805.63 -30891805.50 -30891805.38 0.3605 0.1383

Mercury -89289-05-22 17:44 J -30891241.86 -30891241.76 -30891241.65 0.3761 0.1545

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Mercury -89278-06-22 08:37 J -30887194.19 -30887194.14 -30887194.08 0.3753 0.3191

Mercury -89274-06-21 23:15 J -30885733.65 -30885733.53 -30885733.41 0.3616 0.1626

Mercury -89271-03-16 06:27 J -30884735.27 -30884735.23 -30884735.18 0.3783 0.3390

Mercury -89268-01-04 22:18 J -30883709.66 -30883709.57 -30883709.48 0.3620 0.2543

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Mercury -89255-10-29 12:56 J -30878664.07 -30878663.96 -30878663.86 0.3774 0.1325

Mercury -89249-05-14 07:25 J -30876640.30 -30876640.19 -30876640.08 0.3771 0.0585

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Mercury -89244-11-28 02:08 J -30874616.52 -30874616.41 -30874616.30 0.3767 0.0168

Mercury -89240-11-26 23:01 J -30873156.64 -30873156.54 -30873156.43 0.3602 0.2200

Mercury -89238-06-13 21:06 J -30872592.73 -30872592.62 -30872592.51 0.3763 0.0944

Mercury -89234-06-12 23:44 J -30871132.64 -30871132.51 -30871132.38 0.3606 0.1122

Mercury -89233-12-27 16:18 J -30870568.92 -30870568.82 -30870568.72 0.3759 0.1742

Mercury -89229-12-26 23:44 J -30869108.64 -30869108.51 -30869108.37 0.3609 0.0129

Mercury -89227-07-13 11:44 J -30868545.10 -30868545.01 -30868544.93 0.3756 0.2564

Mercury -89223-07-12 23:30 J -30867084.64 -30867084.52 -30867084.39 0.3613 0.0913

Mercury -89221-01-27 07:25 J -30866521.24 -30866521.19 -30866521.15 0.3751 0.3403

Mercury -89217-01-26 22:47 J -30865060.66 -30865060.55 -30865060.44 0.3617 0.1859

Mercury -89215-10-21 04:32 J -30864062.36 -30864062.31 -30864062.26 0.3782 0.3230

Mercury -89212-08-11 21:49 J -30863036.68 -30863036.59 -30863036.51 0.3621 0.2770

Mercury -89209-05-05 22:32 J -30862038.64 -30862038.56 -30862038.48 0.3779 0.2552

Mercury -89204-11-19 16:47 J -30860014.90 -30860014.80 -30860014.71 0.3776 0.1858

Mercury -89198-06-05 11:01 J -30857991.14 -30857991.04 -30857990.93 0.3773 0.1150

Mercury -89193-12-19 05:44 J -30855967.37 -30855967.26 -30855967.15 0.3769 0.0403

Mercury -89189-12-17 22:03 J -30854507.65 -30854507.58 -30854507.51 0.3600 0.3040

Mercury -89187-07-05 00:27 J -30853943.59 -30853943.48 -30853943.37 0.3766 0.0360

Mercury -89183-07-03 23:01 J -30852483.65 -30852483.54 -30852483.42 0.3603 0.1927

Mercury -89181-01-18 19:25 J -30851919.80 -30851919.69 -30851919.58 0.3762 0.1145

Mercury -89177-01-17 23:30 J -30850459.65 -30850459.52 -30850459.39 0.3607 0.0856

Mercury -89176-08-03 14:37 J -30849895.98 -30849895.89 -30849895.79 0.3758 0.1955

Mercury -89172-08-02 23:30 J -30848435.65 -30848435.52 -30848435.38 0.3610 0.0183

Mercury -89170-02-17 10:18 J -30847872.15 -30847872.07 -30847872.00 0.3754 0.2777

Mercury -89166-02-16 23:15 J -30846411.66 -30846411.53 -30846411.41 0.3614 0.1159

Mercury -89165-09-02 05:59 J -30845848.28 -30845848.25 -30845848.22 0.3750 0.3622

Mercury -89164-11-11 08:37 J -30845413.15 -30845413.14 -30845413.12 0.3784 0.3730

Mercury -89161-09-01 22:18 J -30844387.68 -30844387.57 -30844387.46 0.3618 0.2093

Mercury -89158-05-28 02:37 J -30843389.45 -30843389.39 -30843389.33 0.3781 0.3065

Mercury -89155-03-18 21:06 J -30842363.69 -30842363.62 -30842363.55 0.3622 0.2991

Mercury -89153-12-10 20:37 J -30841365.72 -30841365.64 -30841365.55 0.3778 0.2386

Mercury -89147-06-26 14:51 J -30839341.98 -30839341.88 -30839341.78 0.3775 0.1685

Mercury -89141-01-10 09:20 J -30837318.22 -30837318.11 -30837318.00 0.3772 0.0961

Mercury -89136-07-26 04:03 J -30835294.44 -30835294.33 -30835294.22 0.3768 0.0224

Mercury -89132-07-24 22:03 J -30833834.66 -30833834.58 -30833834.49 0.3601 0.2758

Mercury -89130-02-08 22:47 J -30833270.66 -30833270.55 -30833270.44 0.3765 0.0561

Mercury -89126-02-07 23:01 J -30831810.66 -30831810.54 -30831810.42 0.3604 0.1657

Mercury -89125-08-24 17:59 J -30831246.86 -30831246.75 -30831246.65 0.3761 0.1345

Mercury -89121-08-23 23:15 J -30829786.66 -30829786.53 -30829786.40 0.3608 0.0597

Mercury -89119-03-10 13:11 J -30829223.04 -30829222.95 -30829222.85 0.3757 0.2160

Mercury -89115-03-09 23:15 J -30827762.66 -30827762.53 -30827762.40 0.3611 0.0420

Mercury -89114-09-24 08:51 J -30827199.20 -30827199.13 -30827199.06 0.3753 0.2990

Mercury -89110-09-23 22:47 J -30825738.68 -30825738.55 -30825738.43 0.3615 0.1396

Mercury -89107-06-18 06:42 J -30824740.25 -30824740.22 -30824740.18 0.3783 0.3569

Mercury -89104-04-08 21:49 J -30823714.69 -30823714.59 -30823714.49 0.3619 0.2323

Mercury -89101-01-02 00:42 J -30822716.54 -30822716.47 -30822716.40 0.3780 0.2902

Mercury -89099-10-23 20:23 J -30821690.71 -30821690.65 -30821690.59 0.3623 0.3208

Mercury -89096-07-17 18:56 J -30820692.80 -30820692.71 -30820692.63 0.3777 0.2216

Mercury -89090-01-31 13:11 J -30818669.05 -30818668.95 -30818668.85 0.3774 0.1507

Mercury -89085-08-16 07:39 J -30816645.29 -30816645.18 -30816645.07 0.3771 0.0776

Mercury -89079-03-02 02:23 J -30814621.51 -30814621.40 -30814621.29 0.3767 0.0072

Mercury -89075-02-28 22:03 J -30813161.67 -30813161.58 -30813161.48 0.3602 0.2480

Mercury -89074-09-15 21:20 J -30812597.72 -30812597.61 -30812597.50 0.3764 0.0762

Mercury -89070-09-14 22:47 J -30811137.67 -30811137.55 -30811137.42 0.3605 0.1386

Mercury -89068-03-31 16:18 J -30810573.92 -30810573.82 -30810573.71 0.3760 0.1550

Mercury -89064-03-30 23:01 J -30809113.67 -30809113.54 -30809113.40 0.3609 0.0343

Mercury -89063-10-15 11:44 J -30808550.10 -30808550.01 -30808549.92 0.3756 0.2366

Mercury -89059-10-14 22:47 J -30807089.68 -30807089.55 -30807089.42 0.3613 0.0674

Mercury -89057-04-30 07:25 J -30806526.25 -30806526.19 -30806526.13 0.3752 0.3205

Mercury -89053-04-29 22:03 J -30805065.69 -30805065.58 -30805065.46 0.3617 0.1627

Mercury -89050-01-23 04:47 J -30804067.34 -30804067.30 -30804067.25 0.3782 0.3408

Mercury -89048-11-13 21:06 J -30803041.71 -30803041.62 -30803041.53 0.3620 0.2551

Mercury -89045-08-07 22:47 J -30802043.62 -30802043.55 -30802043.47 0.3779 0.2735

Mercury -89042-05-30 19:39 J -30801017.72 -30801017.68 -30801017.64 0.3625 0.3418

Mercury -89039-02-21 17:01 J -30800019.88 -30800019.79 -30800019.70 0.3776 0.2036

Mercury -89034-09-07 11:15 J -30797996.13 -30797996.03 -30797995.92 0.3773 0.1333

Mercury -89028-03-23 05:59 J -30795972.36 -30795972.25 -30795972.14 0.3770 0.0592

Mercury -89024-03-21 21:06 J -30794512.67 -30794512.62 -30794512.57 0.3599 0.3320

Mercury -89023-10-07 00:42 J -30793948.58 -30793948.47 -30793948.36 0.3767 0.0180

Mercury -89019-10-05 22:03 J -30792488.68 -30792488.58 -30792488.47 0.3603 0.2201

Mercury -89017-04-21 19:39 J -30791924.79 -30791924.68 -30791924.57 0.3763 0.0951

Mercury -89013-04-20 22:47 J -30790464.68 -30790464.55 -30790464.43 0.3606 0.1126

Mercury -89012-11-05 14:51 J -30789900.98 -30789900.88 -30789900.78 0.3759 0.1751

Mercury -89008-11-04 22:47 J -30788440.68 -30788440.55 -30788440.41 0.3610 0.0094

Mercury -89006-05-22 10:18 J -30787877.15 -30787877.07 -30787876.99 0.3755 0.2578

Mercury -89002-05-21 22:18 J -30786416.69 -30786416.57 -30786416.44 0.3614 0.0911

Mercury -89001-12-05 05:59 J -30785853.30 -30785853.25 -30785853.21 0.3751 0.3420

89TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 89th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-88997-12-04 21:35 J	-30784392.71	-30784392.60	-30784392.48	0.3618	0.1866		
Mercury	-88994-08-30 03:06 J	-30783394.43	-30783394.37	-30783394.32	0.3781	0.3245		
Mercury	-88991-06-20 20:23 J	-30782368.73	-30782368.65	-30782368.56	0.3621	0.2768		
Mercury	-88988-03-14 21:06 J	-30781370.70	-30781370.62	-30781370.54	0.3779	0.2563		
Mercury	-88983-09-28 15:20 J	-30779346.96	-30779346.86	-30779346.77	0.3776	0.1868		
Mercury	-88977-04-13 09:35 J	-30777323.20	-30777323.10	-30777322.99	0.3772	0.1144		
Mercury	-88972-10-28 04:18 J	-30775299.44	-30775299.32	-30775299.21	0.3769	0.0421		
Mercury	-88968-10-26 21:06 J	-30773839.69	-30773839.62	-30773839.54	0.3600	0.3037		

Mercury -88966-05-13 23:01 J -30773275.65 -30773275.54 -30773275.43 0.3766 0.0369

Mercury -88962-05-12 22:03 J -30771815.70 -30771815.58 -30771815.47 0.3604 0.1932

Mercury -88961-11-26 17:59 J -30771251.86 -30771251.75 -30771251.64 0.3762 0.1148

Mercury -88957-11-25 22:32 J -30769791.69 -30769791.56 -30769791.43 0.3607 0.0856

Mercury -88955-06-12 13:11 J -30769228.04 -30769227.95 -30769227.85 0.3758 0.1965

Mercury -88951-06-11 22:32 J -30767767.70 -30767767.56 -30767767.43 0.3611 0.0208

Mercury -88950-12-27 08:51 J -30767204.21 -30767204.13 -30767204.06 0.3754 0.2789

Mercury -88946-12-26 22:03 J -30765743.71 -30765743.58 -30765743.46 0.3615 0.1153

Mercury -88944-07-12 04:32 J -30765180.33 -30765180.31 -30765180.28 0.3750 0.3641

Mercury -88943-09-20 07:11 J -30764745.21 -30764745.20 -30764745.19 0.3784 0.3737

Mercury -88940-07-11 21:06 J -30763719.72 -30763719.62 -30763719.51 0.3619 0.2091

Mercury -88937-04-05 01:11 J -30762721.51 -30762721.45 -30762721.39 0.3781 0.3076

Mercury -88934-01-25 19:54 J -30761695.74 -30761695.67 -30761695.60 0.3623 0.2990

Mercury -88932-10-19 19:11 J -30760697.79 -30760697.70 -30760697.62 0.3778 0.2393

Mercury -88926-05-05 13:25 J -30758674.04 -30758673.94 -30758673.84 0.3775 0.1685

Mercury -88921-11-18 07:54 J -30756650.28 -30756650.17 -30756650.07 0.3772 0.0968

Mercury -88915-06-04 02:23 J -30754626.51 -30754626.40 -30754626.28 0.3768 0.0257

Mercury -88911-06-02 21:06 J -30753166.71 -30753166.62 -30753166.53 0.3601 0.2763

Mercury -88910-12-18 21:20 J -30752602.72 -30752602.61 -30752602.50 0.3764 0.0559

Mercury -88906-12-17 21:49 J -30751142.71 -30751142.59 -30751142.47 0.3605 0.1661

Mercury -88904-07-03 16:32 J -30750578.92 -30750578.81 -30750578.71 0.3761 0.1357

Mercury -88900-07-02 22:18 J -30749118.71 -30749118.57 -30749118.44 0.3608 0.0607

Mercury -88898-01-17 11:44 J -30748555.10 -30748555.01 -30748554.92 0.3757 0.2164

Mercury -88894-01-16 22:03 J -30747094.71 -30747094.58 -30747094.45 0.3612 0.0417

Mercury -88893-08-02 07:25 J -30746531.26 -30746531.19 -30746531.13 0.3753 0.3005

Mercury -88889-08-01 21:35 J -30745070.72 -30745070.60 -30745070.48 0.3616 0.1391

Mercury -88886-04-27 05:15 J -30744072.31 -30744072.28 -30744072.25 0.3783 0.3577

Mercury -88883-02-15 20:37 J -30743046.74 -30743046.64 -30743046.55 0.3620 0.2323

Mercury -88881-11-09 23:01 J -30742048.60 -30742048.54 -30742048.47 0.3780 0.2918

Mercury -88878-09-01 19:11 J -30741022.76 -30741022.70 -30741022.64 0.3624 0.3210

Mercury -88875-05-26 17:15 J -30740024.87 -30740024.78 -30740024.69 0.3777 0.2220

Mercury -88870-12-10 11:30 J -30738001.12 -30738001.02 -30738000.92 0.3774 0.1513

Mercury -88864-06-25 05:59 J -30735977.36 -30735977.25 -30735977.14 0.3771 0.0788

Mercury -88858-01-09 00:42 J -30733953.58 -30733953.47 -30733953.35 0.3767 0.0119

Mercury -88854-01-07 21:06 J -30732493.72 -30732493.62 -30732493.52 0.3602 0.2484

Mercury -88853-07-24 19:39 J -30731929.79 -30731929.68 -30731929.57 0.3763 0.0761

Mercury -88849-07-23 21:49 J -30730469.72 -30730469.59 -30730469.47 0.3606 0.1391

Mercury -88847-02-07 14:51 J -30729905.98 -30729905.88 -30729905.78 0.3760 0.1555

Mercury -88843-02-06 22:03 J -30728445.72 -30728445.58 -30728445.45 0.3609 0.0359

Mercury -88842-08-24 10:18 J -30727882.16 -30727882.07 -30727881.98 0.3756 0.2376

Mercury -88838-08-23 21:35 J -30726421.73 -30726421.60 -30726421.46 0.3613 0.0676

Mercury -88836-03-09 05:59 J -30725858.31 -30725858.25 -30725858.19 0.3752 0.3224

Mercury -88832-03-08 21:06 J -30724397.74 -30724397.62 -30724397.51 0.3617 0.1629

Mercury -88830-12-02 03:20 J -30723399.41 -30723399.36 -30723399.32 0.3782 0.3420

Mercury -88827-09-22 19:54 J -30722373.76 -30722373.67 -30722373.58 0.3621 0.2547

Mercury -88824-06-16 21:20 J -30721375.69 -30721375.61 -30721375.54 0.3779 0.2747

Mercury -88821-04-07 18:27 J -30720349.77 -30720349.73 -30720349.69 0.3625 0.3428

Mercury -88819-12-31 15:20 J -30719351.95 -30719351.86 -30719351.76 0.3776 0.2053

Mercury -88813-07-16 09:49 J -30717328.19 -30717328.09 -30717327.99 0.3773 0.1328

Mercury -88807-01-30 04:18 J -30715304.43 -30715304.32 -30715304.21 0.3769 0.0599

Mercury -88803-01-28 20:08 J -30713844.71 -30713844.66 -30713844.61 0.3600 0.3330

Mercury -88802-08-15 23:15 J -30713280.65 -30713280.53 -30713280.42 0.3766 0.0226

Mercury -88798-08-14 21:06 J -30711820.73 -30711820.62 -30711820.51 0.3603 0.2203

Mercury -88796-02-28 18:13 J -30711256.85 -30711256.74 -30711256.63 0.3762 0.0963

Mercury -88792-02-27 21:35 J -30709796.73 -30709796.60 -30709796.47 0.3607 0.1123

Mercury -88791-09-14 13:25 J -30709233.04 -30709232.94 -30709232.84 0.3758 0.1763

Mercury -88787-09-13 21:35 J -30707772.73 -30707772.60 -30707772.46 0.3610 0.0123

Mercury -88785-03-30 08:51 J -30707209.21 -30707209.13 -30707209.05 0.3754 0.2592

Mercury -88781-03-29 21:20 J -30705748.74 -30705748.61 -30705748.48 0.3614 0.0913

Mercury -88780-10-14 04:32 J -30705185.35 -30705185.31 -30705185.27 0.3750 0.3444

Mercury -88776-10-13 20:37 J -30703724.76 -30703724.64 -30703724.53 0.3618 0.1868

Mercury -88773-07-08 01:25 J -30702726.50 -30702726.44 -30702726.39 0.3781 0.3254

Mercury -88770-04-29 19:11 J -30701700.78 -30701700.70 -30701700.61 0.3622 0.2776

Mercury -88767-01-21 19:25 J -30700702.77 -30700702.69 -30700702.61 0.3778 0.2575

Mercury -88762-08-07 13:39 J -30698679.03 -30698678.93 -30698678.84 0.3775 0.1870

Mercury -88756-02-20 08:08 J -30696655.27 -30696655.16 -30696655.06 0.3772 0.1148

Mercury -88751-09-06 02:37 J -30694631.50 -30694631.39 -30694631.28 0.3769 0.0413

Mercury -88747-09-04 20:08 J -30693171.73 -30693171.66 -30693171.59 0.3601 0.3040

Mercury -88745-03-21 21:35 J -30692607.71 -30692607.60 -30692607.49 0.3765 0.0374

Mercury -88741-03-20 21:06 J -30691147.73 -30691147.62 -30691147.51 0.3604 0.1924

Mercury -88740-10-05 16:32 J -30690583.92 -30690583.81 -30690583.70 0.3761 0.1165

Mercury -88736-10-04 21:20 J -30689123.74 -30689123.61 -30689123.47 0.3608 0.0864

Mercury -88734-04-21 11:59 J -30688560.10 -30688560.00 -30688559.91 0.3757 0.1976

Mercury -88730-04-20 21:20 J -30687099.74 -30687099.61 -30687099.48 0.3612 0.0175

Mercury -88729-11-04 07:25 J -30686536.27 -30686536.19 -30686536.12 0.3754 0.2806

Mercury -88725-11-03 20:51 J -30685075.75 -30685075.63 -30685075.50 0.3615 0.1161

Mercury -88723-05-21 03:06 J -30684512.39 -30684512.37 -30684512.34 0.3749 0.3669

Mercury -88722-07-30 05:30 J -30684077.28 -30684077.27 -30684077.26 0.3783 0.3754

Mercury -88719-05-20 19:54 J -30683051.77 -30683051.67 -30683051.56 0.3619 0.2092

Mercury -88716-02-11 23:30 J -30682053.58 -30682053.52 -30682053.46 0.3780 0.3086

Mercury -88714-12-04 18:42 J -30681027.79 -30681027.72 -30681027.65 0.3623 0.2999

Mercury -88711-08-28 17:30 J -30680029.85 -30680029.77 -30680029.68 0.3777 0.2405

Mercury -88705-03-13 11:59 J -30678006.10 -30678006.00 -30678005.91 0.3774 0.1692

Mercury -88700-09-27 06:27 J -30675982.34 -30675982.23 -30675982.13 0.3771 0.0969

Mercury -88694-04-13 00:56 J -30673958.57 -30673958.46 -30673958.34 0.3768 0.0240

Mercury -88690-04-11 20:08 J -30672498.74 -30672498.66 -30672498.57 0.3602 0.2758

Mercury -88689-10-26 19:54 J -30671934.78 -30671934.67 -30671934.56 0.3764 0.0565

Mercury -88685-10-25 20:51 J -30670474.75 -30670474.63 -30670474.51 0.3605 0.1657

Mercury -88683-05-12 15:06 J -30669910.98 -30669910.87 -30669910.77 0.3760 0.1368

Mercury -88679-05-11 21:06 J -30668450.75 -30668450.62 -30668450.49 0.3609 0.0602

Mercury -88678-11-26 10:18 J -30667887.16 -30667887.07 -30667886.98 0.3756 0.2179

Mercury -88674-11-25 21:06 J -30666426.76 -30666426.62 -30666426.49 0.3613 0.0434

Mercury -88672-06-11 05:59 J -30665863.32 -30665863.25 -30665863.18 0.3752 0.3024

Mercury -88668-06-10 20:23 J -30664402.77 -30664402.65 -30664402.53 0.3616 0.1393

Mercury -88665-03-05 03:35 J -30663404.38 -30663404.35 -30663404.32 0.3782 0.3591

Mercury -88663-12-25 19:25 J -30662378.79 -30662378.69 -30662378.60 0.3620 0.2326

Mercury -88660-09-18 21:35 J -30661380.67 -30661380.60 -30661380.53 0.3780 0.2920

Mercury -88657-07-10 17:59 J -30660354.81 -30660354.75 -30660354.70 0.3624 0.3214

Mercury -88654-04-04 15:49 J -30659356.93 -30659356.84 -30659356.76 0.3776 0.2229

Mercury -88649-10-18 10:03 J -30657333.18 -30657333.08 -30657332.98 0.3774 0.1513

Mercury -88643-05-04 04:32 J -30655309.42 -30655309.31 -30655309.20 0.3770 0.0779

Mercury -88638-11-17 23:15 J -30653285.64 -30653285.53 -30653285.42 0.3767 0.0043

Mercury -88634-11-16 20:08 J -30651825.76 -30651825.66 -30651825.56 0.3603 0.2477

Mercury -88632-06-02 18:13 J -30651261.85 -30651261.74 -30651261.63 0.3763 0.0766

Mercury -88628-06-01 20:37 J -30649801.76 -30649801.64 -30649801.51 0.3606 0.1394

Mercury -88627-12-17 13:25 J -30649238.04 -30649237.94 -30649237.84 0.3759 0.1566

Mercury -88623-12-16 20:51 J -30647777.76 -30647777.63 -30647777.50 0.3610 0.0341

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Mercury -88615-01-16 04:32 J -30645190.37 -30645190.31 -30645190.25 0.3751 0.3239

Mercury -88611-01-15 19:54 J -30643729.79 -30643729.67 -30643729.56 0.3617 0.1632

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Mercury -88598-11-09 13:54 J -30638684.01 -30638683.92 -30638683.83 0.3776 0.2056

Mercury -88592-05-25 08:23 J -30636660.26 -30636660.15 -30636660.05 0.3773 0.1337

Mercury -88587-12-09 02:51 J -30634636.49 -30634636.38 -30634636.27 0.3769 0.0589

Mercury -88583-12-07 19:11 J -30633176.75 -30633176.70 -30633176.65 0.3600 0.3332

Mercury -88581-06-23 21:35 J -30632612.71 -30632612.60 -30632612.49 0.3766 0.0190

Mercury -88577-06-22 20:08 J -30631152.77 -30631152.66 -30631152.56 0.3604 0.2210

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Mercury -88555-08-22 19:11 J -30623056.81 -30623056.70 -30623056.58 0.3619 0.1872

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Mercury -88519-08-14 15:06 J -30609915.98 -30609915.87 -30609915.76 0.3761 0.1170

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Mercury -88513-02-28 10:32 J -30607892.16 -30607892.06 -30607891.97 0.3757 0.1994

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Mercury -88508-09-13 05:59 J -30605868.32 -30605868.25 -30605868.18 0.3753 0.2826

Mercury -88504-09-12 19:39 J -30604407.80 -30604407.68 -30604407.55 0.3616 0.1162

Mercury -88502-03-30 01:54 J -30603844.44 -30603844.42 -30603844.41 0.3749 0.3693

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Mercury -88493-10-12 17:30 J -30600359.84 -30600359.77 -30600359.70 0.3624 0.3005

Mercury -88490-07-07 16:03 J -30599361.92 -30599361.83 -30599361.75 0.3777 0.2410

Mercury -88484-01-20 10:18 J -30597338.17 -30597338.07 -30597337.97 0.3774 0.1698

Mercury -88479-08-06 04:47 J -30595314.41 -30595314.30 -30595314.19 0.3771 0.0961

Mercury -88473-02-19 23:30 J -30593290.63 -30593290.52 -30593290.41 0.3767 0.0204

Mercury -88469-02-18 19:11 J -30591830.79 -30591830.70 -30591830.61 0.3602 0.2760

Mercury -88468-09-04 18:27 J -30591266.84 -30591266.73 -30591266.62 0.3763 0.0576

Mercury -88464-09-03 19:54 J -30589806.79 -30589806.67 -30589806.55 0.3606 0.1654

Mercury -88462-03-21 13:39 J -30589243.04 -30589242.93 -30589242.83 0.3760 0.1384

Mercury -88458-03-20 20:08 J -30587782.79 -30587782.66 -30587782.53 0.3609 0.0591

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Mercury -88453-10-03 19:54 J -30585758.80 -30585758.67 -30585758.54 0.3613 0.0427

Mercury -88451-04-20 04:32 J -30585195.37 -30585195.31 -30585195.24 0.3752 0.3047

Mercury -88447-04-19 19:11 J -30583734.82 -30583734.70 -30583734.58 0.3617 0.1405

Mercury -88444-01-12 02:08 J -30582736.44 -30582736.41 -30582736.38 0.3782 0.3611

Mercury -88442-11-03 18:13 J -30581710.84 -30581710.74 -30581710.64 0.3621 0.2338

Mercury -88439-07-28 20:08 J -30580712.73 -30580712.66 -30580712.60 0.3779 0.2934

Mercury -88436-05-19 16:47 J -30579686.86 -30579686.80 -30579686.75 0.3625 0.3224

Mercury -88433-02-11 14:08 J -30578689.00 -30578688.91 -30578688.82 0.3776 0.2235

Mercury -88428-08-27 08:37 J -30576665.24 -30576665.14 -30576665.04 0.3773 0.1521

Mercury -88422-03-13 03:06 J -30574641.48 -30574641.37 -30574641.26 0.3770 0.0771

Mercury -88417-09-25 21:49 J -30572617.70 -30572617.59 -30572617.48 0.3766 0.0036

Mercury -88413-09-24 19:11 J -30571157.80 -30571157.70 -30571157.60 0.3603 0.2480

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Mercury -88407-04-10 19:39 J -30569133.80 -30569133.68 -30569133.55 0.3607 0.1384

Mercury -88406-10-26 11:59 J -30568570.10 -30568570.00 -30568569.90 0.3759 0.1583

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Mercury -88400-05-11 07:25 J -30566546.28 -30566546.19 -30566546.10 0.3755 0.2416

Mercury -88396-05-10 19:25 J -30565085.82 -30565085.69 -30565085.56 0.3614 0.0672

Mercury -88395-11-25 03:06 J -30564522.42 -30564522.37 -30564522.32 0.3751 0.3263

Mercury -88391-11-24 18:42 J -30563061.84 -30563061.72 -30563061.60 0.3618 0.1643

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Mercury -88385-06-09 17:30 J -30561037.86 -30561037.77 -30561037.68 0.3622 0.2559

Mercury -88382-03-04 18:13 J -30560039.82 -30560039.74 -30560039.67 0.3778 0.2760

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Mercury -88377-09-17 12:27 J -30558016.08 -30558015.98 -30558015.89 0.3775 0.2060

Mercury -88371-04-03 06:42 J -30555992.32 -30555992.22 -30555992.11 0.3772 0.1335

Mercury -88366-10-18 01:25 J -30553968.55 -30553968.44 -30553968.33 0.3769 0.0590

Mercury -88362-10-16 18:13 J -30552508.79 -30552508.74 -30552508.69 0.3601 0.3328

Mercury -88360-05-02 20:08 J -30551944.77 -30551944.66 -30551944.55 0.3765 0.0198

Mercury -88356-05-01 18:56 J -30550484.81 -30550484.71 -30550484.60 0.3604 0.2208

Mercury -88355-11-16 15:06 J -30549920.98 -30549920.87 -30549920.76 0.3761 0.0980

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Mercury -88349-06-01 10:32 J -30547897.16 -30547897.06 -30547896.96 0.3758 0.1796

Mercury -88345-05-31 19:25 J -30546436.82 -30546436.69 -30546436.56 0.3611 0.0082

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Mercury -88340-12-15 18:56 J -30544412.84 -30544412.71 -30544412.58 0.3615 0.0922

Mercury -88338-07-02 01:39 J -30543849.47 -30543849.43 -30543849.39 0.3749 0.3490

Mercury -88334-07-01 18:13 J -30542388.86 -30542388.74 -30542388.63 0.3619 0.1878

Mercury -88331-03-25 22:18 J -30541390.62 -30541390.57 -30541390.52 0.3780 0.3278

Mercury -88328-01-14 16:47 J -30540364.88 -30540364.80 -30540364.72 0.3623 0.2786

Mercury -88326-10-09 16:18 J -30539366.90 -30539366.82 -30539366.74 0.3778 0.2588

Mercury -88320-04-24 10:32 J -30537343.15 -30537343.06 -30537342.96 0.3774 0.1879

Mercury -88315-11-08 05:01 J -30535319.40 -30535319.29 -30535319.19 0.3771 0.1149

Mercury -88309-05-23 23:44 J -30533295.62 -30533295.51 -30533295.40 0.3768 0.0400

Mercury -88305-05-22 18:13 J -30531835.82 -30531835.74 -30531835.67 0.3602 0.3053

Mercury -88304-12-07 18:27 J -30531271.84 -30531271.73 -30531271.62 0.3764 0.0387

Mercury -88300-12-06 18:56 J -30529811.82 -30529811.71 -30529811.59 0.3605 0.1926

Mercury -88298-06-23 13:39 J -30529248.04 -30529247.93 -30529247.82 0.3760 0.1183

Mercury -88294-06-22 19:11 J -30527787.83 -30527787.70 -30527787.57 0.3609 0.0856

Mercury -88292-01-06 08:51 J -30527224.22 -30527224.13 -30527224.03 0.3756 0.2006

Mercury -88288-01-05 19:11 J -30525763.84 -30525763.70 -30525763.57 0.3612 0.0207

Mercury -88287-07-23 04:32 J -30525200.38 -30525200.31 -30525200.24 0.3752 0.2849

Mercury -88283-07-22 18:27 J -30523739.85 -30523739.73 -30523739.60 0.3616 0.1168

Mercury -88281-02-06 00:27 J -30523176.49 -30523176.48 -30523176.47 0.3748 0.3716

Mercury -88280-04-16 02:23 J -30522741.40 -30522741.40 -30522741.40 0.3782 0.3781

Mercury -88277-02-05 17:30 J -30521715.87 -30521715.77 -30521715.66 0.3620 0.2112

Mercury -88275-10-30 20:23 J -30520717.71 -30520717.65 -30520717.59 0.3780 0.3114

Mercury -88272-08-21 16:18 J -30519691.89 -30519691.82 -30519691.76 0.3624 0.3018

Mercury -88269-05-15 14:23 J -30518693.98 -30518693.90 -30518693.81 0.3777 0.2417

Mercury -88264-11-29 08:37 J -30516670.23 -30516670.14 -30516670.04 0.3773 0.1709

Mercury -88258-06-15 03:20 J -30514646.47 -30514646.36 -30514646.26 0.3770 0.0966

Mercury -88253-12-28 22:03 J -30512622.70 -30512622.58 -30512622.47 0.3767 0.0226

Mercury -88249-12-27 18:13 J -30511162.83 -30511162.74 -30511162.66 0.3603 0.2764

Mercury -88247-07-14 17:01 J -30510598.91 -30510598.79 -30510598.68 0.3763 0.0601

Mercury -88243-07-13 18:56 J -30509138.83 -30509138.71 -30509138.59 0.3606 0.1658

Mercury -88241-01-28 11:59 J -30508575.10 -30508575.00 -30508574.89 0.3759 0.1393

Mercury -88237-01-27 18:56 J -30507114.84 -30507114.71 -30507114.58 0.3610 0.0591

Mercury -88236-08-13 07:25 J -30506551.28 -30506551.19 -30506551.10 0.3755 0.2222

Mercury -88232-08-12 18:42 J -30505090.85 -30505090.72 -30505090.59 0.3613 0.0437

Mercury -88230-02-27 03:06 J -30504527.43 -30504527.37 -30504527.30 0.3751 0.3075

Mercury -88226-02-26 17:59 J -30503066.87 -30503066.75 -30503066.63 0.3617 0.1415

Mercury -88224-11-21 00:27 J -30502068.51 -30502068.48 -30502068.45 0.3782 0.3621

Mercury -88221-09-11 17:01 J -30501042.89 -30501042.79 -30501042.69 0.3621 0.2348

Mercury -88218-06-06 18:27 J -30500044.80 -30500044.73 -30500044.66 0.3779 0.2941

Mercury -88215-03-28 15:35 J -30499018.91 -30499018.85 -30499018.80 0.3625 0.3242

Mercury -88213-12-20 12:42 J -30498021.06 -30498020.97 -30498020.89 0.3776 0.2242

Mercury -88207-07-06 06:56 J -30495997.31 -30495997.21 -30495997.11 0.3773 0.1518

Mercury -88201-01-20 01:39 J -30493973.54 -30493973.43 -30493973.33 0.3769 0.0790

Mercury -88196-08-04 20:23 J -30491949.76 -30491949.65 -30491949.54 0.3766 0.0061

Mercury -88192-08-03 18:13 J -30490489.84 -30490489.74 -30490489.64 0.3603 0.2479

Mercury -88190-02-18 15:20 J -30489925.97 -30489925.86 -30489925.75 0.3762 0.0788

Mercury -88186-02-17 18:42 J -30488465.85 -30488465.72 -30488465.60 0.3607 0.1383

Mercury -88185-09-03 10:32 J -30487902.16 -30487902.06 -30487901.96 0.3758 0.1601

Mercury -88181-09-02 18:42 J -30486441.85 -30486441.72 -30486441.59 0.3611 0.0325

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Mercury -88175-03-19 18:27 J -30484417.86 -30484417.73 -30484417.60 0.3614 0.0694

Mercury -88174-10-04 01:39 J -30483854.48 -30483854.43 -30483854.37 0.3750 0.3300

Mercury -88170-10-03 17:30 J -30482393.88 -30482393.77 -30482393.65 0.3618 0.1653

Mercury -88167-06-27 22:32 J -30481395.60 -30481395.56 -30481395.52 0.3781 0.3458

Mercury -88164-04-18 16:18 J -30480369.91 -30480369.82 -30480369.73 0.3623 0.2579

Mercury -88161-01-11 16:32 J -30479371.88 -30479371.81 -30479371.74 0.3778 0.2772

Mercury -88159-11-02 14:51 J -30478345.92 -30478345.88 -30478345.85 0.3627 0.3465

Mercury -88156-07-27 10:47 J -30477348.14 -30477348.05 -30477347.96 0.3775 0.2061

Mercury -88150-02-10 05:15 J -30475324.39 -30475324.28 -30475324.18 0.3772 0.1333

Mercury -88145-08-25 23:44 J -30473300.62 -30473300.51 -30473300.40 0.3768 0.0596

Mercury -88141-08-24 17:01 J -30471840.83 -30471840.79 -30471840.74 0.3601 0.3332

Mercury -88139-03-11 18:42 J -30471276.83 -30471276.72 -30471276.61 0.3765 0.0199

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Mercury -88134-09-25 13:39 J -30469253.04 -30469252.93 -30469252.82 0.3761 0.0999

Mercury -88130-09-24 18:27 J -30467792.86 -30467792.73 -30467792.60 0.3608 0.1113

Mercury -88128-04-10 09:06 J -30467229.22 -30467229.12 -30467229.02 0.3757 0.1816

Mercury -88124-04-09 18:27 J -30465768.87 -30465768.73 -30465768.60 0.3612 0.0095

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Mercury -88119-10-24 17:59 J -30463744.88 -30463744.75 -30463744.63 0.3616 0.0937

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Mercury -88113-05-09 17:01 J -30461720.90 -30461720.79 -30461720.68 0.3620 0.1890

Mercury -88110-02-01 20:37 J -30460722.69 -30460722.64 -30460722.59 0.3780 0.3290

Mercury -88108-11-23 15:35 J -30459696.92 -30459696.85 -30459696.77 0.3624 0.2812

Mercury -88105-08-17 14:37 J -30458698.96 -30458698.89 -30458698.81 0.3777 0.2601

Mercury -88099-03-03 09:06 J -30456675.22 -30456675.12 -30456675.03 0.3774 0.1882

Mercury -88094-09-17 03:35 J -30454651.46 -30454651.35 -30454651.25 0.3771 0.1150

Mercury -88088-04-01 22:18 J -30452627.69 -30452627.57 -30452627.46 0.3767 0.0411

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Mercury -88077-05-01 12:13 J -30448580.10 -30448579.99 -30448579.88 0.3760 0.1203

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Mercury -88032-11-06 20:23 J -30431954.76 -30431954.65 -30431954.53 0.3766 0.0237

Mercury -88028-11-05 17:15 J -30430494.87 -30430494.78 -30430494.69 0.3603 0.2750

Mercury -88026-05-23 15:35 J -30429930.97 -30429930.85 -30429930.74 0.3763 0.0620

Mercury -88022-05-22 17:44 J -30428470.88 -30428470.76 -30428470.64 0.3607 0.1651

Mercury -88021-12-06 10:32 J -30427907.16 -30427907.06 -30427906.95 0.3759 0.1412

Mercury -88017-12-05 17:59 J -30426446.88 -30426446.75 -30426446.62 0.3610 0.0577

Mercury -88015-06-22 05:59 J -30425883.34 -30425883.25 -30425883.16 0.3755 0.2247

Mercury -88011-06-21 17:30 J -30424422.90 -30424422.77 -30424422.64 0.3614 0.0447

Mercury -88009-01-06 01:39 J -30423859.49 -30423859.43 -30423859.36 0.3750 0.3103

Mercury -88005-01-05 16:47 J -30422398.92 -30422398.80 -30422398.68 0.3618 0.1425

Mercury -88003-09-29 22:47 J -30421400.57 -30421400.55 -30421400.52 0.3781 0.3634

88TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 88th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-88000-07-21 15:49 J	-30420374.94	-30420374.84	-30420374.75	0.3622	0.2362		
Mercury	-87997-04-14 17:01 J	-30419376.86	-30419376.79	-30419376.73	0.3778	0.2950		
Mercury	-87994-02-04 14:08 J	-30418350.96	-30418350.91	-30418350.85	0.3626	0.3258		
Mercury	-87992-10-29 11:01 J	-30417353.13	-30417353.04	-30417352.95	0.3776	0.2245		
Mercury	-87986-05-15 05:30 J	-30415329.37	-30415329.27	-30415329.17	0.3772	0.1512		
Mercury	-87981-11-27 23:59 J	-30413305.61	-30413305.50	-30413305.39	0.3769	0.0769		
Mercury	-87975-06-13 18:56 J	-30411281.83	-30411281.71	-30411281.60	0.3765	0.0143		
Mercury	-87971-06-12 17:01 J	-30409821.89	-30409821.79	-30409821.69	0.3604	0.2477		
Mercury	-87970-12-28 13:54 J	-30409258.03	-30409257.92	-30409257.81	0.3761	0.0808		
Mercury	-87966-12-27 17:30 J	-30407797.89	-30407797.77	-30407797.64	0.3608	0.1378		
Mercury	-87964-07-13 09:06 J	-30407234.22	-30407234.12	-30407234.02	0.3758	0.1622		
Mercury	-87960-07-12 17:30 J	-30405773.90	-30405773.77	-30405773.63	0.3611	0.0335		
Mercury	-87958-01-27 04:32 J	-30405210.39	-30405210.31	-30405210.22	0.3754	0.2464		
Mercury	-87954-01-26 17:15 J	-30403749.91	-30403749.78	-30403749.65	0.3615	0.0704		
Mercury	-87953-08-12 00:13 J	-30403186.54	-30403186.49	-30403186.43	0.3749	0.3334		
Mercury	-87949-08-11 16:18 J	-30401725.93	-30401725.82	-30401725.70	0.3619	0.1666		
Mercury	-87946-05-06 21:06 J	-30400727.67	-30400727.62	-30400727.58	0.3781	0.3467		
Mercury	-87943-02-25 15:06 J	-30399701.96	-30399701.87	-30399701.78	0.3623	0.2595		
Mercury	-87941-11-19 15:06 J	-30398703.95	-30398703.87	-30398703.80	0.3778	0.2782		
Mercury	-87938-09-11 13:25 J	-30397677.97	-30397677.94	-30397677.91	0.3627	0.3482		
Mercury	-87935-06-05 09:20 J	-30396680.20	-30396680.11	-30396680.02	0.3775	0.2066		
Mercury	-87930-12-20 03:35 J	-30394656.45	-30394656.35	-30394656.24	0.3771	0.1337		

Mercury -87924-07-04 22:18 J -30392632.68 -30392632.57 -30392632.46 0.3768 0.0574

Mercury -87920-07-03 16:03 J -30391172.87 -30391172.83 -30391172.78 0.3601 0.3329

Mercury -87918-01-18 17:15 J -30390608.90 -30390608.78 -30390608.67 0.3764 0.0242

Mercury -87914-01-17 17:01 J -30389148.90 -30389148.79 -30389148.69 0.3605 0.2199

Mercury -87913-08-03 12:13 J -30388585.10 -30388584.99 -30388584.88 0.3760 0.1013

Mercury -87909-08-02 17:15 J -30387124.90 -30387124.78 -30387124.65 0.3608 0.1108

Mercury -87907-02-17 07:39 J -30386561.28 -30386561.18 -30386561.09 0.3756 0.1841

Mercury -87903-02-16 17:15 J -30385100.92 -30385100.78 -30385100.65 0.3612 0.0077

Mercury -87902-09-03 03:06 J -30384537.45 -30384537.37 -30384537.29 0.3752 0.2686

Mercury -87898-09-02 16:47 J -30383076.93 -30383076.80 -30383076.68 0.3616 0.0951

Mercury -87896-03-18 23:01 J -30382513.58 -30382513.54 -30382513.51 0.3748 0.3563

Mercury -87892-03-18 15:49 J -30381052.95 -30381052.84 -30381052.73 0.3620 0.1908

Mercury -87890-12-11 18:56 J -30380054.76 -30380054.71 -30380054.66 0.3780 0.3302

Mercury -87887-10-02 14:23 J -30379028.98 -30379028.90 -30379028.82 0.3624 0.2827

Mercury -87884-06-26 13:11 J -30378031.03 -30378030.95 -30378030.87 0.3777 0.2605

Mercury -87878-01-10 07:25 J -30376007.28 -30376007.19 -30376007.09 0.3774 0.1885

Mercury -87873-07-26 01:54 J -30373983.52 -30373983.42 -30373983.31 0.3770 0.1141

Mercury -87867-02-08 20:37 J -30371959.75 -30371959.64 -30371959.53 0.3767 0.0379

Mercury -87863-02-07 16:03 J -30370499.90 -30370499.83 -30370499.75 0.3602 0.3040

Mercury -87862-08-25 15:35 J -30369935.96 -30369935.85 -30369935.74 0.3763 0.0412

Mercury -87858-08-24 16:47 J -30368475.91 -30368475.80 -30368475.68 0.3606 0.1916

Mercury -87856-03-10 10:47 J -30367912.16 -30367912.05 -30367911.94 0.3759 0.1227

Mercury -87852-03-09 17:01 J -30366451.92 -30366451.79 -30366451.65 0.3609 0.0842

Mercury -87851-09-24 06:13 J -30365888.34 -30365888.24 -30365888.15 0.3755 0.2061

Mercury -87847-09-23 16:47 J -30364427.93 -30364427.80 -30364427.66 0.3613 0.0231

Mercury -87845-04-09 01:39 J -30363864.50 -30363864.43 -30363864.36 0.3751 0.2915

Mercury -87841-04-08 16:18 J -30362403.94 -30362403.82 -30362403.70 0.3617 0.1198

Mercury -87836-10-23 15:06 J -30360379.97 -30360379.87 -30360379.76 0.3621 0.2151

Mercury -87833-07-17 17:15 J -30359381.84 -30359381.78 -30359381.72 0.3779 0.3130

Mercury -87830-05-09 13:39 J -30358355.99 -30358355.93 -30358355.86 0.3625 0.3056

Mercury -87827-01-31 11:15 J -30357358.11 -30357358.03 -30357357.94 0.3776 0.2428

Mercury -87822-08-17 05:44 J -30355334.36 -30355334.26 -30355334.16 0.3773 0.1698

Mercury -87816-03-02 00:13 J -30353310.60 -30353310.49 -30353310.38 0.3769 0.0948

Mercury -87811-09-15 18:56 J -30351286.82 -30351286.71 -30351286.59 0.3766 0.0197

Mercury -87807-09-14 16:03 J -30349826.91 -30349826.83 -30349826.74 0.3603 0.2751

Mercury -87805-03-31 13:54 J -30349263.03 -30349262.92 -30349262.80 0.3762 0.0631

Mercury -87801-03-30 16:47 J -30347802.92 -30347802.80 -30347802.68 0.3607 0.1632

Mercury -87800-10-15 09:06 J -30347239.22 -30347239.12 -30347239.01 0.3758 0.1442

Mercury -87796-10-14 16:47 J -30345778.93 -30345778.80 -30345778.66 0.3610 0.0570

Mercury -87794-05-01 04:32 J -30345215.40 -30345215.31 -30345215.21 0.3754 0.2283

Mercury -87790-04-30 16:32 J -30343754.94 -30343754.81 -30343754.68 0.3614 0.0463

Mercury -87789-11-14 00:13 J -30343191.55 -30343191.49 -30343191.42 0.3750 0.3141

Mercury -87785-11-13 15:49 J -30341730.96 -30341730.84 -30341730.72 0.3618 0.1448

Mercury -87782-08-08 21:20 J -30340732.64 -30340732.61 -30340732.59 0.3781 0.3642

Mercury -87779-05-30 14:37 J -30339706.99 -30339706.89 -30339706.80 0.3622 0.2384

Mercury -87776-02-21 15:20 J -30338708.93 -30338708.86 -30338708.79 0.3778 0.2954

Mercury -87774-12-14 12:56 J -30337683.01 -30337682.96 -30337682.91 0.3627 0.3287

Mercury -87771-09-07 09:35 J -30336685.19 -30336685.10 -30336685.01 0.3775 0.2244

Mercury -87765-03-23 04:03 J -30334661.44 -30334661.33 -30334661.23 0.3772 0.1515

Mercury -87760-10-06 22:32 J -30332637.67 -30332637.56 -30332637.45 0.3768 0.0754

Mercury -87754-04-22 17:15 J -30330613.89 -30330613.78 -30330613.66 0.3765 0.0158

Mercury -87750-04-21 16:03 J -30329153.93 -30329153.83 -30329153.73 0.3604 0.2463

Mercury -87749-11-05 12:27 J -30328590.09 -30328589.98 -30328589.87 0.3761 0.0830

Mercury -87745-11-04 16:32 J -30327129.93 -30327129.81 -30327129.68 0.3608 0.1358

Mercury -87743-05-22 07:39 J -30326566.28 -30326566.18 -30326566.08 0.3757 0.1654

Mercury -87739-05-21 16:32 J -30325105.95 -30325105.81 -30325105.68 0.3612 0.0312

Mercury -87738-12-06 03:06 J -30324542.45 -30324542.37 -30324542.28 0.3753 0.2497

Mercury -87734-12-05 16:03 J -30323081.96 -30323081.83 -30323081.70 0.3616 0.0719

Mercury -87732-06-20 23:01 J -30322518.59 -30322518.54 -30322518.49 0.3749 0.3373

Mercury -87728-06-20 15:06 J -30321057.98 -30321057.87 -30321057.75 0.3619 0.1686

Mercury -87725-03-14 19:25 J -30320059.73 -30320059.69 -30320059.65 0.3780 0.3472

Mercury -87722-01-04 13:54 J -30319034.01 -30319033.92 -30319033.83 0.3624 0.2617

Mercury -87720-09-28 13:25 J -30318036.01 -30318035.94 -30318035.86 0.3777 0.2780

Mercury -87717-07-20 12:13 J -30317010.02 -30317009.99 -30317009.96 0.3628 0.3507

Mercury -87714-04-14 07:39 J -30316012.27 -30316012.18 -30316012.08 0.3774 0.2065

Mercury -87709-10-28 02:08 J -30313988.51 -30313988.41 -30313988.30 0.3771 0.1324

Mercury -87703-05-13 20:51 J -30311964.74 -30311964.63 -30311964.52 0.3767 0.0557

Mercury -87699-05-12 15:06 J -30310504.92 -30310504.87 -30310504.82 0.3602 0.3324

Mercury -87698-11-27 15:35 J -30309940.96 -30309940.85 -30309940.73 0.3764 0.0273

Mercury -87694-11-26 16:03 J -30308480.94 -30308480.83 -30308480.72 0.3605 0.2178

Mercury -87692-06-12 10:47 J -30307917.16 -30307917.05 -30307916.94 0.3760 0.1037

Mercury -87688-06-11 16:18 J -30306456.95 -30306456.82 -30306456.70 0.3609 0.1098

Mercury -87687-12-27 06:13 J -30305893.34 -30305893.24 -30305893.15 0.3756 0.1871

Mercury -87683-12-26 16:03 J -30304432.96 -30304432.83 -30304432.69 0.3613 0.0086

Mercury -87681-07-12 01:39 J -30303869.51 -30303869.43 -30303869.35 0.3752 0.2720

Mercury -87677-07-11 15:35 J -30302408.98 -30302408.85 -30302408.73 0.3616 0.0965

Mercury -87675-01-25 21:35 J -30301845.63 -30301845.60 -30301845.57 0.3748 0.3599

Mercury -87671-01-25 14:37 J -30300385.00 -30300384.89 -30300384.78 0.3621 0.1930

Mercury -87669-10-19 17:30 J -30299386.82 -30299386.77 -30299386.72 0.3780 0.3306

Mercury -87666-08-11 13:11 J -30298361.03 -30298360.95 -30298360.87 0.3625 0.2849

Mercury -87663-05-05 11:44 J -30297363.09 -30297363.01 -30297362.94 0.3776 0.2604

Mercury -87658-11-19 05:59 J -30295339.35 -30295339.25 -30295339.16 0.3773 0.1886

Mercury -87652-06-04 00:27 J -30293315.59 -30293315.48 -30293315.37 0.3770 0.1132

Mercury -87647-12-18 19:11 J -30291291.81 -30291291.70 -30291291.59 0.3766 0.0375

Mercury -87643-12-17 15:06 J -30289831.94 -30289831.87 -30289831.80 0.3603 0.3032

Mercury -87641-07-03 14:08 J -30289268.03 -30289267.91 -30289267.80 0.3763 0.0444

Mercury -87637-07-02 15:49 J -30287807.96 -30287807.84 -30287807.73 0.3606 0.1905

Mercury -87635-01-17 09:06 J -30287244.22 -30287244.12 -30287244.01 0.3759 0.1254

Mercury -87631-01-16 16:03 J -30285783.97 -30285783.83 -30285783.70 0.3610 0.0832

Mercury -87630-08-03 04:32 J -30285220.40 -30285220.31 -30285220.21 0.3755 0.2091

Mercury -87626-08-02 15:49 J -30283759.98 -30283759.84 -30283759.71 0.3614 0.0231

Mercury -87624-02-16 00:13 J -30283196.56 -30283196.49 -30283196.42 0.3751 0.2950

Mercury -87620-02-15 15:06 J -30281736.00 -30281735.87 -30281735.75 0.3618 0.1218

Mercury -87615-09-01 13:54 J -30279712.02 -30279711.92 -30279711.81 0.3622 0.2172

Mercury -87612-05-26 15:35 J -30278713.91 -30278713.85 -30278713.79 0.3779 0.3134

Mercury -87609-03-17 12:27 J -30277688.04 -30277687.98 -30277687.91 0.3626 0.3083

Mercury -87607-12-10 09:49 J -30276690.18 -30276690.09 -30276690.01 0.3775 0.2428

Mercury -87601-06-25 04:03 J -30274666.43 -30274666.33 -30274666.23 0.3772 0.1698

Mercury -87595-01-08 22:47 J -30272642.66 -30272642.55 -30272642.44 0.3769 0.0946

Mercury -87590-07-25 17:30 J -30270618.88 -30270618.77 -30270618.66 0.3765 0.0162

Mercury -87586-07-24 15:06 J -30269158.95 -30269158.87 -30269158.78 0.3604 0.2743

Mercury -87584-02-07 12:27 J -30268595.09 -30268594.98 -30268594.87 0.3761 0.0637

Mercury -87580-02-06 15:35 J -30267134.97 -30267134.85 -30267134.73 0.3607 0.1626

Mercury -87579-08-24 07:39 J -30266571.28 -30266571.18 -30266571.07 0.3758 0.1465

Mercury -87575-08-23 15:49 J -30265110.98 -30265110.84 -30265110.71 0.3611 0.0557

Mercury -87573-03-09 03:06 J -30264547.46 -30264547.37 -30264547.28 0.3754 0.2316

Mercury -87569-03-08 15:20 J -30263086.99 -30263086.86 -30263086.73 0.3615 0.0480

Mercury -87568-09-22 23:01 J -30262523.60 -30262523.54 -30262523.48 0.3749 0.3184

Mercury -87564-09-22 14:37 J -30261063.01 -30261062.89 -30261062.77 0.3619 0.1470

Mercury -87561-06-16 19:39 J -30260064.70 -30260064.68 -30260064.65 0.3781 0.3654

Mercury -87558-04-08 13:25 J -30259039.04 -30259038.94 -30259038.85 0.3623 0.2413

Mercury -87556-12-31 13:39 J -30258040.99 -30258040.93 -30258040.86 0.3778 0.2962

Mercury -87553-10-22 11:44 J -30257015.06 -30257015.01 -30257014.96 0.3627 0.3315

Mercury -87550-07-17 07:54 J -30256017.26 -30256017.17 -30256017.08 0.3775 0.2246

Mercury -87544-01-30 02:23 J -30253993.50 -30253993.40 -30253993.30 0.3771 0.1507

Mercury -87539-08-15 21:06 J -30251969.73 -30251969.62 -30251969.51 0.3768 0.0750

Mercury -87533-02-29 15:49 J -30249945.95 -30249945.84 -30249945.72 0.3764 0.0084

Mercury -87529-02-28 15:06 J -30248485.97 -30248485.87 -30248485.77 0.3605 0.2451

Mercury -87528-09-14 11:01 J -30247922.15 -30247922.04 -30247921.93 0.3760 0.0859

Mercury -87524-09-13 15:20 J -30246461.98 -30246461.86 -30246461.73 0.3608 0.1350

Mercury -87522-03-31 06:13 J -30245898.34 -30245898.24 -30245898.14 0.3756 0.1685

Mercury -87518-03-30 15:35 J -30244437.99 -30244437.85 -30244437.72 0.3612 0.0307

Mercury -87517-10-14 01:39 J -30243874.51 -30243874.43 -30243874.34 0.3753 0.2543

Mercury -87513-10-13 14:51 J -30242414.01 -30242413.88 -30242413.75 0.3616 0.0741

Mercury -87511-04-29 21:35 J -30241850.65 -30241850.60 -30241850.56 0.3748 0.3417

Mercury -87507-04-29 14:08 J -30240390.03 -30240389.91 -30240389.80 0.3620 0.1721

Mercury -87504-01-21 17:44 J -30239391.80 -30239391.76 -30239391.72 0.3780 0.3486

Mercury -87502-11-13 12:42 J -30238366.05 -30238365.97 -30238365.88 0.3624 0.2653

Mercury -87499-08-07 11:59 J -30237368.08 -30237368.00 -30237367.93 0.3777 0.2782

Mercury -87496-05-29 11:01 J -30236342.07 -30236342.04 -30236342.02 0.3628 0.3539

Mercury -87493-02-21 06:13 J -30235344.33 -30235344.24 -30235344.15 0.3774 0.2059

Mercury -87488-09-06 00:42 J -30233320.58 -30233320.47 -30233320.37 0.3770 0.1314

Mercury -87482-03-22 19:25 J -30231296.80 -30231296.69 -30231296.58 0.3767 0.0547

Mercury -87478-03-21 14:23 J -30229836.96 -30229836.90 -30229836.85 0.3602 0.3307

Mercury -87477-10-05 14:08 J -30229273.02 -30229272.91 -30229272.79 0.3763 0.0295

Mercury -87473-10-04 14:51 J -30227812.98 -30227812.88 -30227812.77 0.3606 0.2170

Mercury -87471-04-21 09:20 J -30227249.22 -30227249.11 -30227249.00 0.3759 0.1067

Mercury -87467-04-20 15:20 J -30225788.99 -30225788.86 -30225788.73 0.3609 0.1072

Mercury -87466-11-05 04:47 J -30225225.40 -30225225.30 -30225225.20 0.3756 0.1904

Mercury -87462-11-04 15:06 J -30223765.00 -30223764.87 -30223764.74 0.3613 0.0018

Mercury -87460-05-21 00:27 J -30223201.56 -30223201.48 -30223201.41 0.3751 0.2772

Mercury -87456-05-20 14:23 J -30221741.02 -30221740.90 -30221740.77 0.3617 0.0990

Mercury -87455-12-04 20:08 J -30221177.68 -30221177.66 -30221177.64 0.3747 0.3648

Mercury -87451-12-04 13:25 J -30219717.05 -30219716.94 -30219716.83 0.3621 0.1962

Mercury -87448-08-28 15:49 J -30218718.89 -30218718.84 -30218718.79 0.3779 0.3315

Mercury -87445-06-19 11:59 J -30217693.08 -30217693.00 -30217692.93 0.3625 0.2881

Mercury -87442-03-14 10:03 J -30216695.16 -30216695.08 -30216695.00 0.3776 0.2601

Mercury -87437-09-27 04:32 J -30214671.41 -30214671.31 -30214671.22 0.3773 0.1878

Mercury -87431-04-12 23:01 J -30212647.65 -30212647.54 -30212647.44 0.3769 0.1124

Mercury -87426-10-27 17:44 J -30210623.87 -30210623.76 -30210623.65 0.3766 0.0353

Mercury -87422-10-26 14:08 J -30209163.98 -30209163.91 -30209163.83 0.3603 0.3015

Mercury -87420-05-12 12:42 J -30208600.09 -30208599.97 -30208599.86 0.3762 0.0467

Mercury -87416-05-11 14:51 J -30207140.00 -30207139.88 -30207139.77 0.3607 0.1894

Mercury -87415-11-26 07:39 J -30206576.28 -30206576.18 -30206576.07 0.3758 0.1282

Mercury -87411-11-25 14:51 J -30205116.01 -30205115.88 -30205115.74 0.3610 0.0803

Mercury -87409-06-11 03:06 J -30204552.46 -30204552.37 -30204552.27 0.3754 0.2130

Mercury -87405-06-10 14:37 J -30203092.03 -30203091.89 -30203091.76 0.3614 0.0250

Mercury -87404-12-25 22:47 J -30202528.61 -30202528.55 -30202528.48 0.3750 0.2996

Mercury -87400-12-25 13:54 J -30201068.04 -30201067.92 -30201067.80 0.3618 0.1244

Mercury -87394-07-11 12:42 J -30199044.07 -30199043.97 -30199043.87 0.3622 0.2199

Mercury -87391-04-04 14:08 J -30198045.97 -30198045.91 -30198045.85 0.3778 0.3138

Mercury -87388-01-24 11:15 J -30197020.10 -30197020.03 -30197019.97 0.3626 0.3115

Mercury -87386-10-19 08:08 J -30196022.24 -30196022.16 -30196022.07 0.3775 0.2427

Mercury -87380-05-04 02:37 J -30193998.49 -30193998.39 -30193998.29 0.3772 0.1684

Mercury -87375-11-17 21:06 J -30191974.73 -30191974.62 -30191974.51 0.3769 0.0934

Mercury -87369-06-02 16:03 J -30189950.94 -30189950.83 -30189950.72 0.3765 0.0151

Mercury -87365-06-01 14:08 J -30188491.00 -30188490.91 -30188490.83 0.3604 0.2732

Mercury -87364-12-17 11:01 J -30187927.15 -30187927.04 -30187926.93 0.3761 0.0665

Mercury -87360-12-16 14:37 J -30186467.01 -30186466.89 -30186466.77 0.3608 0.1606

Mercury -87358-07-03 06:13 J -30185903.34 -30185903.24 -30185903.13 0.3757 0.1495

Mercury -87354-07-02 14:37 J -30184443.02 -30184442.89 -30184442.76 0.3611 0.0534

Mercury -87352-01-16 01:39 J -30183879.52 -30183879.43 -30183879.34 0.3753 0.2351

Mercury -87348-01-15 14:08 J -30182419.04 -30182418.91 -30182418.78 0.3615 0.0502

Mercury -87347-08-01 21:35 J -30181855.66 -30181855.60 -30181855.55 0.3749 0.3230

Mercury -87343-08-01 13:25 J -30180395.06 -30180394.94 -30180394.82 0.3619 0.1494

Mercury -87340-04-25 18:13 J -30179396.77 -30179396.74 -30179396.72 0.3780 0.3659

Mercury -87337-02-15 12:13 J -30178371.09 -30178370.99 -30178370.90 0.3623 0.2445

Mercury -87335-11-09 12:13 J -30177373.06 -30177372.99 -30177372.93 0.3778 0.2963

Mercury -87332-08-31 10:32 J -30176347.11 -30176347.06 -30176347.01 0.3628 0.3349

Mercury -87329-05-25 06:27 J -30175349.32 -30175349.23 -30175349.14 0.3774 0.2236

Mercury -87324-12-09 00:56 J -30173325.57 -30173325.46 -30173325.36 0.3771 0.1501

Mercury -87318-06-24 19:25 J -30171301.80 -30171301.69 -30171301.58 0.3768 0.0736

Mercury -87314-06-23 13:11 J -30169841.95 -30169841.95 -30169841.95 0.3602 0.3594

Mercury -87312-01-07 14:23 J -30169278.01 -30169277.90 -30169277.79 0.3764 0.0075

Mercury -87308-01-06 13:54 J -30167818.01 -30167817.92 -30167817.82 0.3605 0.2444

Mercury -87307-07-24 09:20 J -30167254.22 -30167254.11 -30167254.00 0.3760 0.0889

Mercury -87303-07-23 14:23 J -30165794.02 -30165793.90 -30165793.77 0.3609 0.1327

Mercury -87301-02-07 04:47 J -30165230.40 -30165230.30 -30165230.20 0.3756 0.1716

Mercury -87297-02-06 14:08 J -30163770.04 -30163769.91 -30163769.77 0.3612 0.0287

Mercury -87296-08-23 00:13 J -30163206.57 -30163206.49 -30163206.40 0.3752 0.2585

Mercury -87292-08-22 13:39 J -30161746.05 -30161745.93 -30161745.80 0.3616 0.0776

Mercury -87290-03-08 20:08 J -30161182.70 -30161182.66 -30161182.62 0.3748 0.3467

Mercury -87286-03-08 12:42 J -30159722.08 -30159721.97 -30159721.85 0.3620 0.1749

Mercury -87284-11-30 16:18 J -30158723.86 -30158723.82 -30158723.78 0.3780 0.3492

Mercury -87281-09-21 11:30 J -30157698.11 -30157698.02 -30157697.94 0.3624 0.2686

Mercury -87278-06-16 10:18 J -30156700.14 -30156700.07 -30156700.00 0.3777 0.2784

Mercury -87275-04-07 09:49 J -30155674.11 -30155674.09 -30155674.08 0.3629 0.3582

Mercury -87273-12-30 04:32 J -30154676.40 -30154676.31 -30154676.21 0.3773 0.2057

Mercury -87267-07-15 23:01 J -30152652.64 -30152652.54 -30152652.43 0.3770 0.1309

Mercury -87261-01-29 17:44 J -30150628.87 -30150628.76 -30150628.65 0.3766 0.0540

Mercury -87257-01-28 13:11 J -30149169.00 -30149168.95 -30149168.90 0.3602 0.3296

Mercury -87256-08-14 12:42 J -30148605.08 -30148604.97 -30148604.86 0.3763 0.0279

Mercury -87252-08-13 13:54 J -30147145.03 -30147144.92 -30147144.81 0.3606 0.2151

Mercury -87250-02-28 07:54 J -30146581.28 -30146581.17 -30146581.06 0.3759 0.1096

Mercury -87246-02-27 14:08 J -30145121.04 -30145120.91 -30145120.78 0.3610 0.1049

Mercury -87245-09-13 03:20 J -30144557.46 -30144557.36 -30144557.26 0.3755 0.1943

Mercury -87241-09-12 13:54 J -30143097.05 -30143096.92 -30143096.79 0.3614 0.0023

Mercury -87239-03-29 23:01 J -30142533.62 -30142533.54 -30142533.47 0.3751 0.2818

Mercury -87235-03-29 13:25 J -30141073.07 -30141072.94 -30141072.82 0.3617 0.1030

Mercury -87234-10-13 18:56 J -30140509.73 -30140509.71 -30140509.70 0.3746 0.3711

Mercury -87230-10-13 12:13 J -30139049.10 -30139048.99 -30139048.88 0.3621 0.1994

Mercury -87227-07-07 14:23 J -30138050.95 -30138050.90 -30138050.85 0.3779 0.3317

Mercury -87224-04-28 10:47 J -30137025.12 -30137025.05 -30137024.98 0.3626 0.2924

Mercury -87221-01-21 08:23 J -30136027.22 -30136027.15 -30136027.07 0.3776 0.2609

Mercury -87216-08-06 02:51 J -30134003.48 -30134003.38 -30134003.28 0.3772 0.1864

Mercury -87210-02-19 21:20 J -30131979.71 -30131979.61 -30131979.50 0.3769 0.1109

Mercury -87205-09-04 16:03 J -30129955.94 -30129955.83 -30129955.71 0.3765 0.0358

Mercury -87201-09-03 13:11 J -30128496.02 -30128495.95 -30128495.88 0.3603 0.3000

Mercury -87199-03-21 11:15 J -30127932.15 -30127932.03 -30127931.92 0.3762 0.0503

Mercury -87195-03-20 13:54 J -30126472.04 -30126471.92 -30126471.81 0.3607 0.1867

Mercury -87194-10-05 06:27 J -30125908.34 -30125908.23 -30125908.13 0.3758 0.1321

Mercury -87190-10-04 13:54 J -30124448.05 -30124447.92 -30124447.79 0.3611 0.0778

Mercury -87188-04-20 01:54 J -30123884.52 -30123884.42 -30123884.33 0.3754 0.2173

Mercury -87184-04-19 13:39 J -30122424.07 -30122423.93 -30122423.80 0.3615 0.0305

Mercury -87183-11-03 21:35 J -30121860.67 -30121860.60 -30121860.54 0.3750 0.3048

Mercury -87179-11-03 12:42 J -30120400.09 -30120399.97 -30120399.84 0.3619 0.1280

Mercury -87173-05-19 11:30 J -30118376.12 -30118376.02 -30118375.92 0.3623 0.2238

Mercury -87170-02-11 12:27 J -30117378.04 -30117377.98 -30117377.92 0.3778 0.3140

Mercury -87168-12-03 10:03 J -30116352.14 -30116352.08 -30116352.02 0.3627 0.3161

Mercury -87165-08-27 06:42 J -30115354.30 -30115354.22 -30115354.14 0.3775 0.2418

Mercury -87159-03-13 01:11 J -30113330.55 -30113330.45 -30113330.35 0.3771 0.1676

Mercury -87154-09-26 19:39 J -30111306.79 -30111306.68 -30111306.57 0.3768 0.0909

Mercury -87148-04-11 14:37 J -30109283.01 -30109282.89 -30109282.78 0.3764 0.0183

Mercury -87144-04-10 13:11 J -30107823.04 -30107822.95 -30107822.86 0.3605 0.2706

Mercury -87143-10-26 09:35 J -30107259.21 -30107259.10 -30107258.99 0.3761 0.0699

Mercury -87139-10-25 13:39 J -30105799.05 -30105798.93 -30105798.81 0.3608 0.1583

Mercury -87137-05-11 04:47 J -30105235.40 -30105235.30 -30105235.19 0.3757 0.1540

Mercury -87133-05-10 13:25 J -30103775.07 -30103774.94 -30103774.80 0.3612 0.0512

Mercury -87132-11-25 00:13 J -30103211.57 -30103211.49 -30103211.40 0.3753 0.2399

Mercury -87128-11-24 13:11 J -30101751.08 -30101750.95 -30101750.82 0.3616 0.0546

Mercury -87126-06-10 20:08 J -30101187.71 -30101187.66 -30101187.61 0.3748 0.3286

Mercury -87122-06-10 12:13 J -30099727.11 -30099726.99 -30099726.88 0.3620 0.1529

Mercury -87119-03-04 16:32 J -30098728.83 -30098728.81 -30098728.79 0.3780 0.3663

Mercury -87117-12-24 11:01 J -30097703.14 -30097703.04 -30097702.95 0.3624 0.2485

Mercury -87114-09-18 10:32 J -30096705.12 -30096705.06 -30096704.99 0.3777 0.2962

Mercury -87111-07-10 09:06 J -30095679.16 -30095679.12 -30095679.07 0.3628 0.3392

Mercury -87108-04-03 05:01 J -30094681.38 -30094681.29 -30094681.21 0.3774 0.2234

Mercury -87103-10-17 23:15 J -30092657.63 -30092657.53 -30092657.42 0.3771 0.1487

Mercury -87097-05-02 17:59 J -30090633.86 -30090633.75 -30090633.64 0.3767 0.0709

Mercury -87093-05-01 12:13 J -30089174.00 -30089173.99 -30089173.98 0.3602 0.3576

Mercury -87092-11-16 12:56 J -30088610.08 -30088609.96 -30088609.85 0.3764 0.0122

Mercury -87088-11-15 13:11 J -30087150.05 -30087149.95 -30087149.85 0.3606 0.2414

Mercury -87086-06-02 07:54 J -30086586.28 -30086586.17 -30086586.06 0.3760 0.0927

Mercury -87082-06-01 13:11 J -30085126.07 -30085125.95 -30085125.82 0.3609 0.1310

Mercury -87081-12-16 03:20 J -30084562.46 -30084562.36 -30084562.26 0.3756 0.1760

Mercury -87077-12-15 13:11 J -30083102.08 -30083101.95 -30083101.82 0.3613 0.0230

Mercury -87075-07-01 23:01 J -30082538.63 -30082538.54 -30082538.46 0.3752 0.2634

Mercury -87071-07-01 12:27 J -30081078.10 -30081077.98 -30081077.85 0.3617 0.0803

Mercury -87069-01-15 18:42 J -30080514.75 -30080514.72 -30080514.68 0.3747 0.3524

Mercury -87065-01-15 11:30 J -30079054.13 -30079054.02 -30079053.90 0.3621 0.1784

Mercury -87063-10-09 14:37 J -30078055.93 -30078055.89 -30078055.85 0.3779 0.3490

Mercury -87060-07-31 10:18 J -30077030.16 -30077030.07 -30077029.99 0.3625 0.2723

Mercury -87057-04-24 08:51 J -30076032.20 -30076032.13 -30076032.06 0.3776 0.2777

Mercury -87054-02-14 08:23 J -30075006.15 -30075006.15 -30075006.15 0.3629 0.3625

Mercury -87052-11-08 03:06 J -30074008.46 -30074008.37 -30074008.28 0.3773 0.2045

Mercury -87046-05-24 21:35 J -30071984.70 -30071984.60 -30071984.49 0.3770 0.1284

Mercury -87041-12-07 16:18 J -30069960.93 -30069960.82 -30069960.71 0.3766 0.0504

Mercury -87037-12-06 12:13 J -30068501.04 -30068500.99 -30068500.93 0.3603 0.3274

Mercury -87035-06-23 11:15 J -30067937.14 -30067937.03 -30067936.92 0.3762 0.0305

Mercury -87031-06-22 12:56 J -30066477.07 -30066476.96 -30066476.86 0.3606 0.2132

Mercury -87029-01-07 06:27 J -30065913.34 -30065913.23 -30065913.12 0.3758 0.1134

Mercury -87025-01-06 12:56 J -30064453.09 -30064452.96 -30064452.83 0.3610 0.1029

Mercury -87024-07-23 01:54 J -30063889.52 -30063889.42 -30063889.33 0.3754 0.1989

Mercury -87020-07-22 12:42 J -30062429.10 -30062428.97 -30062428.83 0.3614 0.0097

Mercury -87018-02-05 21:35 J -30061865.68 -30061865.60 -30061865.53 0.3750 0.2866

Mercury -87014-02-05 11:59 J -30060405.12 -30060405.00 -30060404.87 0.3618 0.1059

Mercury -87009-08-21 11:01 J -30058381.15 -30058381.04 -30058380.93 0.3622 0.2033

Mercury -87006-05-16 12:42 J -30057383.02 -30057382.97 -30057382.92 0.3778 0.3315

Mercury -87003-03-07 09:35 J -30056357.17 -30056357.10 -30056357.03 0.3626 0.2966

Mercury -87001-11-29 06:56 J -30055359.29 -30055359.21 -30055359.13 0.3775 0.2597

87TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 87th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-86995-06-15 01:25 J	-30053335.54	-30053335.44	-30053335.35	0.3772	0.1858		
Mercury	-86990-12-29 19:54 J	-30051311.78	-30051311.67	-30051311.56	0.3768	0.1087		
Mercury	-86984-07-14 14:37 J	-30049288.00	-30049287.89	-30049287.78	0.3765	0.0300		
Mercury	-86980-07-13 12:13 J	-30047828.07	-30047827.99	-30047827.92	0.3604	0.2983		
Mercury	-86978-01-28 09:35 J	-30047264.21	-30047264.10	-30047263.98	0.3761	0.0523		
Mercury	-86974-01-27 12:42 J	-30045804.09	-30045803.97	-30045803.86	0.3607	0.1844		
Mercury	-86973-08-13 04:47 J	-30045240.40	-30045240.30	-30045240.19	0.3757	0.1366		
Mercury	-86969-08-12 12:42 J	-30043780.10	-30043779.97	-30043779.84	0.3611	0.0750		
Mercury	-86967-02-27 00:27 J	-30043216.58	-30043216.48	-30043216.39	0.3753	0.2220		

Mercury -86963-02-26 12:27 J -30041756.12 -30041755.98 -30041755.85 0.3615 0.0328

Mercury -86962-09-12 20:08 J -30041192.72 -30041192.66 -30041192.60 0.3749 0.3103

Mercury -86958-09-12 11:30 J -30039732.14 -30039732.02 -30039731.90 0.3619 0.1319

Mercury -86952-03-28 10:18 J -30037708.17 -30037708.07 -30037707.97 0.3623 0.2283

Mercury -86950-12-21 10:47 J -30036710.10 -30036710.05 -30036709.99 0.3778 0.3141

Mercury -86947-10-12 08:51 J -30035684.19 -30035684.13 -30035684.08 0.3627 0.3206

Mercury -86944-07-06 05:01 J -30034686.37 -30034686.29 -30034686.20 0.3774 0.2415

Mercury -86938-01-19 23:30 J -30032662.62 -30032662.52 -30032662.42 0.3771 0.1663

Mercury -86933-08-04 18:13 J -30030638.85 -30030638.74 -30030638.63 0.3767 0.0887

Mercury -86927-02-18 12:56 J -30028615.07 -30028614.96 -30028614.84 0.3764 0.0129

Mercury -86923-02-17 11:59 J -30027155.09 -30027155.00 -30027154.91 0.3605 0.2687

Mercury -86922-09-04 08:08 J -30026591.27 -30026591.16 -30026591.05 0.3760 0.0739

Mercury -86918-09-03 12:27 J -30025131.10 -30025130.98 -30025130.86 0.3609 0.1556

Mercury -86916-03-20 03:20 J -30024567.46 -30024567.36 -30024567.25 0.3756 0.1583

Mercury -86912-03-19 12:27 J -30023107.11 -30023106.98 -30023106.85 0.3612 0.0468

Mercury -86911-10-03 23:01 J -30022543.63 -30022543.54 -30022543.46 0.3752 0.2453

Mercury -86907-10-03 11:59 J -30021083.13 -30021083.00 -30021082.87 0.3616 0.0580

Mercury -86905-04-18 18:42 J -30020519.77 -30020519.72 -30020519.67 0.3748 0.3346

Mercury -86901-04-18 11:01 J -30019059.16 -30019059.04 -30019058.92 0.3620 0.1576

Mercury -86898-01-11 14:51 J -30018060.90 -30018060.88 -30018060.85 0.3780 0.3671

Mercury -86896-11-02 09:49 J -30017035.19 -30017035.09 -30017035.00 0.3624 0.2531

Mercury -86893-07-27 09:06 J -30016037.19 -30016037.12 -30016037.06 0.3777 0.2956

Mercury -86890-05-19 07:54 J -30015011.20 -30015011.17 -30015011.13 0.3629 0.3443

Mercury -86887-02-10 03:20 J -30014013.45 -30014013.36 -30014013.27 0.3773 0.2224

Mercury -86882-08-26 21:49 J -30011989.69 -30011989.59 -30011989.49 0.3770 0.1463

Mercury -86876-03-11 16:32 J -30009965.92 -30009965.81 -30009965.70 0.3767 0.0680

Mercury -86872-03-10 11:15 J -30008506.05 -30008506.03 -30008506.01 0.3602 0.3554

Mercury -86871-09-25 11:30 J -30007942.14 -30007942.02 -30007941.91 0.3763 0.0167

Mercury -86867-09-24 11:59 J -30006482.10 -30006482.00 -30006481.90 0.3606 0.2389

Mercury -86865-04-10 06:27 J -30005918.34 -30005918.23 -30005918.12 0.3759 0.0963

Mercury -86861-04-09 12:13 J -30004458.11 -30004457.99 -30004457.86 0.3610 0.1270

Mercury -86860-10-25 01:54 J -30003894.52 -30003894.42 -30003894.32 0.3755 0.1810

Mercury -86856-10-24 11:59 J -30002434.13 -30002434.00 -30002433.86 0.3613 0.0227

Mercury -86854-05-10 21:35 J -30001870.68 -30001870.60 -30001870.52 0.3751 0.2689

Mercury -86850-05-10 11:30 J -30000410.15 -30000410.02 -30000409.89 0.3617 0.0839

Mercury -86849-11-23 17:15 J -29999846.81 -29999846.78 -29999846.75 0.3747 0.3590

Mercury -86845-11-23 10:32 J -29998386.17 -29998386.06 -29998385.95 0.3621 0.1832

Mercury -86842-08-18 13:11 J -29997387.99 -29997387.95 -29997387.91 0.3779 0.3491

Mercury -86839-06-09 09:06 J -29996362.21 -29996362.12 -29996362.04 0.3626 0.2773

Mercury -86836-03-03 07:11 J -29995364.27 -29995364.20 -29995364.12 0.3776 0.2771

Mercury -86831-09-17 01:39 J -29993340.53 -29993340.43 -29993340.34 0.3773 0.2031

Mercury -86825-04-01 20:08 J -29991316.77 -29991316.66 -29991316.56 0.3769 0.1261

Mercury -86820-10-16 14:51 J -29989292.99 -29989292.88 -29989292.77 0.3766 0.0471

Mercury -86816-10-15 11:15 J -29987833.09 -29987833.03 -29987832.97 0.3603 0.3250

Mercury -86814-05-02 09:49 J -29987269.20 -29987269.09 -29987268.98 0.3762 0.0342

Mercury -86810-05-01 11:44 J -29985809.11 -29985809.01 -29985808.90 0.3607 0.2102

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Mercury -86595-08-24 10:18 J -29907165.13 -29907165.07 -29907165.01 0.3604 0.3225

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Mercury -86254-10-14 23:01 J -29782563.64 -29782563.54 -29782563.44 0.3755 0.1758

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Mercury -86219-03-22 17:15 J -29769985.88 -29769985.78 -29769985.68 0.3769 0.1377

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Mercury -86176-01-03 05:15 J -29754358.35 -29754358.28 -29754358.21 0.3627 0.2964

Mercury -86174-09-28 02:37 J -29753360.47 -29753360.39 -29753360.32 0.3775 0.2726

Mercury -86168-04-12 20:51 J -29751336.72 -29751336.63 -29751336.53 0.3771 0.1964

Mercury -86163-10-27 15:35 J -29749312.96 -29749312.85 -29749312.74 0.3768 0.1170

Mercury -86157-05-12 10:18 J -29747289.18 -29747289.07 -29747288.95 0.3764 0.0369

Mercury -86153-05-11 08:08 J -29745829.22 -29745829.16 -29745829.09 0.3605 0.3150

Mercury -86152-11-26 05:15 J -29745265.39 -29745265.28 -29745265.16 0.3761 0.0495

Mercury -86148-11-25 08:37 J -29743805.25 -29743805.14 -29743805.02 0.3608 0.1976

Mercury -86146-06-12 00:42 J -29743241.58 -29743241.47 -29743241.37 0.3757 0.1351

Mercury -86142-06-11 08:37 J -29741781.27 -29741781.14 -29741781.01 0.3612 0.0855

Mercury -86141-12-25 20:08 J -29741217.75 -29741217.66 -29741217.57 0.3752 0.2234

Mercury -86137-12-25 08:23 J -29739757.29 -29739757.15 -29739757.02 0.3616 0.0266

Mercury -86135-07-11 15:49 J -29739193.90 -29739193.84 -29739193.78 0.3748 0.3148

Mercury -86131-07-11 07:25 J -29737733.31 -29737733.19 -29737733.07 0.3620 0.1268

Mercury -86125-01-25 06:13 J -29735709.34 -29735709.24 -29735709.14 0.3624 0.2263

Mercury -86123-10-19 06:27 J -29734711.28 -29734711.23 -29734711.17 0.3777 0.3279

Mercury -86120-08-10 04:32 J -29733685.37 -29733685.31 -29733685.25 0.3628 0.3213

Mercury -86117-05-04 00:42 J -29732687.55 -29732687.47 -29732687.39 0.3774 0.2531

Mercury -86112-11-17 19:11 J -29730663.80 -29730663.70 -29730663.60 0.3771 0.1758

Mercury -86106-06-03 13:54 J -29728640.03 -29728639.92 -29728639.81 0.3767 0.0956

Mercury -86101-12-17 08:37 J -29726616.25 -29726616.14 -29726616.02 0.3763 0.0168

Mercury -86097-12-16 08:08 J -29725156.24 -29725156.16 -29725156.08 0.3606 0.2838

Mercury -86095-07-03 03:49 J -29724592.45 -29724592.34 -29724592.23 0.3760 0.0712

Mercury -86091-07-02 08:23 J -29723132.27 -29723132.15 -29723132.03 0.3609 0.1681

Mercury -86089-01-16 23:01 J -29722568.64 -29722568.54 -29722568.43 0.3755 0.1588

Mercury -86085-01-16 08:23 J -29721108.28 -29721108.15 -29721108.02 0.3613 0.0566

Mercury -86084-08-01 18:42 J -29720544.81 -29720544.72 -29720544.64 0.3751 0.2482

Mercury -86080-08-01 07:54 J -29719084.30 -29719084.17 -29719084.04 0.3617 0.0519

Mercury -86078-02-15 14:23 J -29718520.94 -29718520.90 -29718520.85 0.3747 0.3404

Mercury -86074-02-15 06:42 J -29717060.33 -29717060.22 -29717060.10 0.3621 0.1544

Mercury -86069-08-31 05:30 J -29715036.36 -29715036.27 -29715036.18 0.3625 0.2526

Mercury -86066-05-26 04:47 J -29714038.36 -29714038.30 -29714038.24 0.3776 0.3088

Mercury -86063-03-17 03:49 J -29713012.38 -29713012.34 -29713012.31 0.3629 0.3466

Mercury -86061-12-08 23:01 J -29712014.63 -29712014.54 -29712014.46 0.3773 0.2334

Mercury -86055-06-24 17:30 J -29709990.87 -29709990.77 -29709990.67 0.3770 0.1550

Mercury -86049-01-08 12:13 J -29707967.10 -29707966.99 -29707966.88 0.3766 0.0746

Mercury -86044-07-24 07:11 J -29705943.32 -29705943.20 -29705943.09 0.3762 0.0172

Mercury -86040-07-23 07:54 J -29704483.26 -29704483.17 -29704483.07 0.3606 0.2537

Mercury -86038-02-07 02:08 J -29703919.52 -29703919.41 -29703919.30 0.3758 0.0946

Mercury	-86034-02-06 08:08 J	-29702459.28	-29702459.16	-29702459.04	0.3610	0.1382
Mercury	-86033-08-22 21:35 J	-29701895.70	-29701895.60	-29701895.50	0.3754	0.1825
Mercury	-86029-08-22 07:54 J	-29700435.30	-29700435.17	-29700435.03	0.3614	0.0285
Mercury	-86027-03-08 17:15 J	-29699871.86	-29699871.78	-29699871.70	0.3750	0.2731
Mercury	-86023-03-08 07:25 J	-29698411.32	-29698411.19	-29698411.07	0.3618	0.0800
Mercury	-86022-09-22 13:11 J	-29697847.97	-29697847.95	-29697847.93	0.3746	0.3662
Mercury	-86018-09-22 06:13 J	-29696387.35	-29696387.24	-29696387.13	0.3622	0.1811
Mercury	-86015-06-16 08:37 J	-29695389.16	-29695389.14	-29695389.11	0.3779	0.3638
Mercury	-86012-04-07 04:47 J	-29694363.38	-29694363.30	-29694363.22	0.3626	0.2786
Mercury	-86010-12-31 02:51 J	-29693365.45	-29693365.38	-29693365.31	0.3775	0.2898
Mercury	-86004-07-15 21:06 J	-29691341.71	-29691341.62	-29691341.53	0.3772	0.2134

86TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 86th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-85998-01-29 15:49 J	-29689317.95	-29689317.84	-29689317.74	0.3768	0.1351		
Mercury	-85993-08-14 10:32 J	-29687294.17	-29687294.06	-29687293.95	0.3765	0.0529		
Mercury	-85989-08-13 07:11 J	-29685834.24	-29685834.20	-29685834.16	0.3604	0.3417		
Mercury	-85987-02-28 05:30 J	-29685270.38	-29685270.27	-29685270.16	0.3761	0.0314		
Mercury	-85983-02-27 07:54 J	-29683810.28	-29683810.17	-29683810.07	0.3607	0.2232		
Mercury	-85982-09-14 00:42 J	-29683246.58	-29683246.47	-29683246.36	0.3757	0.1178		
Mercury	-85978-09-13 07:54 J	-29681786.30	-29681786.17	-29681786.04	0.3611	0.1084		
Mercury	-85976-03-29 20:08 J	-29681222.75	-29681222.66	-29681222.56	0.3753	0.2071		

Mercury -85972-03-29 07:39 J -29679762.32 -29679762.18 -29679762.05 0.3615 0.0073

Mercury -85971-10-13 15:49 J -29679198.91 -29679198.84 -29679198.77 0.3749 0.2985

Mercury -85967-10-13 06:42 J -29677738.34 -29677738.22 -29677738.09 0.3619 0.1070

Mercury -85961-04-28 05:44 J -29675714.37 -29675714.26 -29675714.16 0.3623 0.2081

Mercury -85958-01-21 06:42 J -29674716.26 -29674716.22 -29674716.18 0.3778 0.3454

Mercury -85956-11-12 04:03 J -29673690.40 -29673690.33 -29673690.26 0.3627 0.3042

Mercury -85953-08-06 00:56 J -29672692.53 -29672692.46 -29672692.38 0.3774 0.2701

Mercury -85947-02-19 19:25 J -29670668.79 -29670668.69 -29670668.60 0.3771 0.1928

Mercury -85942-09-05 14:08 J -29668645.02 -29668644.91 -29668644.81 0.3767 0.1137

Mercury -85936-03-21 08:51 J -29666621.24 -29666621.13 -29666621.02 0.3764 0.0303

Mercury -85932-03-20 07:11 J -29665161.27 -29665161.20 -29665161.13 0.3605 0.3102

Mercury -85931-10-05 03:49 J -29664597.45 -29664597.34 -29664597.22 0.3760 0.0560

Mercury -85927-10-04 07:39 J -29663137.30 -29663137.18 -29663137.07 0.3608 0.1922

Mercury -85925-04-19 23:15 J -29662573.64 -29662573.53 -29662573.43 0.3756 0.1421

Mercury -85921-04-19 07:39 J -29661113.31 -29661113.18 -29661113.05 0.3612 0.0788

Mercury -85920-11-03 18:42 J -29660549.81 -29660549.72 -29660549.63 0.3752 0.2319

Mercury -85916-11-03 07:11 J -29659089.33 -29659089.20 -29659089.07 0.3616 0.0302

Mercury -85914-05-20 14:23 J -29658525.95 -29658525.90 -29658525.84 0.3748 0.3244

Mercury -85910-05-20 06:13 J -29657065.36 -29657065.24 -29657065.12 0.3620 0.1342

Mercury -85905-12-03 05:01 J -29655041.39 -29655041.29 -29655041.19 0.3624 0.2347

Mercury -85902-08-28 05:01 J -29654043.35 -29654043.29 -29654043.24 0.3777 0.3261

Mercury -85899-06-19 03:20 J -29653017.41 -29653017.36 -29653017.31 0.3629 0.3295

Mercury -85896-03-12 23:15 J -29652019.61 -29652019.53 -29652019.45 0.3773 0.2499

Mercury -85891-09-26 17:44 J -29649995.86 -29649995.76 -29649995.66 0.3770 0.1720

Mercury -85885-04-11 12:27 J -29647972.09 -29647971.98 -29647971.87 0.3766 0.0917

Mercury -85880-10-26 07:11 J -29645948.31 -29645948.20 -29645948.08 0.3763 0.0123

Mercury -85876-10-25 07:11 J -29644488.29 -29644488.20 -29644488.12 0.3606 0.2788

Mercury -85874-05-12 02:23 J -29643924.51 -29643924.40 -29643924.29 0.3759 0.0779

Mercury -85870-05-11 07:25 J -29642464.31 -29642464.19 -29642464.07 0.3610 0.1618

Mercury -85869-11-24 21:35 J -29641900.70 -29641900.60 -29641900.49 0.3755 0.1663

Mercury -85865-11-24 07:25 J -29640440.33 -29640440.19 -29640440.06 0.3613 0.0507

Mercury -85863-06-10 17:16 J -29639876.86 -29639876.78 -29639876.70 0.3751 0.2571

Mercury -85859-06-10 06:42 J -29638416.35 -29638416.22 -29638416.09 0.3617 0.0583

Mercury -85858-12-25 13:11 J -29637852.99 -29637852.95 -29637852.91 0.3746 0.3500

Mercury -85854-12-25 05:44 J -29636392.38 -29636392.26 -29636392.14 0.3622 0.1620

Mercury -85848-07-10 04:18 J -29634368.41 -29634368.32 -29634368.23 0.3626 0.2604

Mercury -85845-04-03 03:06 J -29633370.43 -29633370.37 -29633370.31 0.3776 0.3063

Mercury -85842-01-24 02:37 J -29632344.42 -29632344.39 -29632344.37 0.3630 0.3553

Mercury -85840-10-17 21:20 J -29631346.69 -29631346.61 -29631346.52 0.3773 0.2303

Mercury -85834-05-03 16:04 J -29629322.93 -29629322.83 -29629322.73 0.3769 0.1509

Mercury -85829-11-16 10:47 J -29627299.16 -29627299.05 -29627298.94 0.3766 0.0704

Mercury -85823-06-02 05:44 J -29625275.38 -29625275.26 -29625275.15 0.3762 0.0182

Mercury -85819-06-01 06:56 J -29623815.31 -29623815.21 -29623815.11 0.3607 0.2481

Mercury -85818-12-17 00:42 J -29623251.58 -29623251.47 -29623251.36 0.3758 0.1015

Mercury -85814-12-16 07:11 J -29621791.33 -29621791.20 -29621791.08 0.3611 0.1316

Mercury -85812-07-01 20:08 J -29621227.76 -29621227.66 -29621227.56 0.3754 0.1907

Mercury -85808-07-01 06:42 J -29619767.35 -29619767.22 -29619767.08 0.3614 0.0240

Mercury -85806-01-15 15:49 J -29619203.91 -29619203.84 -29619203.76 0.3749 0.2819

Mercury -85802-01-15 06:13 J -29617743.37 -29617743.24 -29617743.12 0.3619 0.0866

Mercury -85797-07-31 05:01 J -29615719.40 -29615719.29 -29615719.18 0.3623 0.1886

Mercury -85794-04-25 07:11 J -29614721.23 -29614721.20 -29614721.17 0.3778 0.3618

Mercury -85791-02-14 03:35 J -29613695.43 -29613695.35 -29613695.28 0.3627 0.2867

Mercury -85789-11-08 01:11 J -29612697.52 -29612697.45 -29612697.38 0.3775 0.2873

Mercury -85783-05-24 19:40 J -29610673.77 -29610673.68 -29610673.59 0.3772 0.2092

Mercury -85778-12-08 14:08 J -29608650.01 -29608649.91 -29608649.80 0.3768 0.1301

Mercury -85772-06-23 09:06 J -29606626.24 -29606626.12 -29606626.01 0.3765 0.0491

Mercury -85768-06-22 06:13 J -29605166.29 -29605166.24 -29605166.20 0.3604 0.3369

Mercury -85766-01-07 04:04 J -29604602.45 -29604602.33 -29604602.22 0.3761 0.0389

Mercury -85762-01-06 06:42 J -29603142.33 -29603142.22 -29603142.11 0.3608 0.2171

Mercury -85761-07-22 23:16 J -29602578.64 -29602578.53 -29602578.42 0.3757 0.1251

Mercury -85757-07-22 06:42 J -29601118.35 -29601118.22 -29601118.09 0.3612 0.1026

Mercury -85755-02-05 18:42 J -29600554.81 -29600554.72 -29600554.63 0.3752 0.2149

Mercury -85751-02-05 06:28 J -29599094.37 -29599094.23 -29599094.10 0.3616 0.0124

Mercury -85750-08-22 14:23 J -29598530.96 -29598530.90 -29598530.83 0.3748 0.3079

Mercury -85746-08-22 05:30 J -29597070.39 -29597070.27 -29597070.14 0.3620 0.1149

Mercury -85740-03-07 04:18 J -29595046.42 -29595046.32 -29595046.21 0.3624 0.2158

Mercury -85738-11-30 05:16 J -29594048.33 -29594048.28 -29594048.24 0.3777 0.3433

Mercury -85735-09-21 02:52 J -29593022.44 -29593022.38 -29593022.32 0.3628 0.3130

Mercury -85732-06-14 23:30 J -29592024.60 -29592024.52 -29592024.44 0.3774 0.2670

Mercury -85727-12-29 17:59 J -29590000.85 -29590000.75 -29590000.66 0.3771 0.1893

Mercury -85721-07-14 12:28 J -29587977.09 -29587976.98 -29587976.87 0.3767 0.1083

Mercury -85715-01-28 07:25 J -29585953.31 -29585953.19 -29585953.08 0.3763 0.0266

Mercury -85711-01-27 06:13 J -29584493.31 -29584493.24 -29584493.17 0.3605 0.3052

Mercury -85710-08-14 02:23 J -29583929.51 -29583929.40 -29583929.29 0.3760 0.0612

Mercury -85706-08-13 06:28 J -29582469.34 -29582469.23 -29582469.11 0.3609 0.1866

Mercury -85704-02-26 21:49 J -29581905.70 -29581905.59 -29581905.49 0.3756 0.1499

Mercury -85700-02-26 06:28 J -29580445.36 -29580445.23 -29580445.10 0.3613 0.0723

Mercury -85699-09-12 17:16 J -29579881.87 -29579881.78 -29579881.69 0.3751 0.2403

Mercury -85695-09-12 05:59 J -29578421.38 -29578421.25 -29578421.12 0.3617 0.0373

Mercury -85693-03-28 13:11 J -29577858.00 -29577857.95 -29577857.90 0.3747 0.3344

Mercury -85689-03-28 05:01 J -29576397.41 -29576397.29 -29576397.17 0.3621 0.1425

Mercury -85684-10-12 03:49 J -29574373.44 -29574373.34 -29574373.25 0.3625 0.2430

Mercury -85681-07-06 03:20 J -29573375.41 -29573375.36 -29573375.30 0.3777 0.3236

Mercury -85678-04-28 02:08 J -29572349.45 -29572349.41 -29572349.37 0.3629 0.3393

Mercury -85675-01-19 21:35 J -29571351.68 -29571351.60 -29571351.51 0.3773 0.2471

Mercury -85670-08-05 16:04 J -29569327.93 -29569327.83 -29569327.73 0.3770 0.1679

Mercury -85664-02-18 10:47 J -29567304.16 -29567304.05 -29567303.94 0.3766 0.0864

Mercury -85659-09-04 05:44 J -29565280.37 -29565280.26 -29565280.15 0.3762 0.0021

Mercury -85655-09-03 05:59 J -29563820.33 -29563820.25 -29563820.16 0.3606 0.2730

Mercury -85653-03-20 00:56 J -29563256.57 -29563256.46 -29563256.35 0.3758 0.0855

Mercury -85649-03-19 06:13 J -29561796.36 -29561796.24 -29561796.12 0.3610 0.1558

Mercury -85648-10-03 20:08 J -29561232.76 -29561232.66 -29561232.55 0.3754 0.1747

Mercury -85644-10-03 06:13 J -29559772.38 -29559772.24 -29559772.11 0.3614 0.0437

Mercury -85642-04-19 15:49 J -29559208.92 -29559208.84 -29559208.76 0.3750 0.2662

Mercury -85638-04-19 05:30 J -29557748.40 -29557748.27 -29557748.14 0.3618 0.0666

Mercury -85637-11-02 11:44 J -29557185.04 -29557185.01 -29557184.98 0.3746 0.3607

Mercury -85633-11-02 04:32 J -29555724.43 -29555724.31 -29555724.20 0.3622 0.1702

Mercury -85627-05-19 03:06 J -29553700.45 -29553700.37 -29553700.29 0.3626 0.2698

Mercury -85624-02-10 01:40 J -29552702.50 -29552702.43 -29552702.37 0.3775 0.3042

Mercury -85619-08-26 19:54 J -29550678.76 -29550678.67 -29550678.58 0.3772 0.2261

Mercury -85613-03-11 14:23 J -29548655.00 -29548654.90 -29548654.80 0.3769 0.1462

Mercury -85608-09-25 09:06 J -29546631.23 -29546631.12 -29546631.01 0.3765 0.0647

Mercury -85602-04-11 04:04 J -29544607.44 -29544607.33 -29544607.21 0.3761 0.0259

Mercury -85598-04-10 05:59 J -29543147.35 -29543147.25 -29543147.15 0.3607 0.2411

Mercury -85597-10-24 23:16 J -29542583.63 -29542583.53 -29542583.42 0.3757 0.1105

Mercury -85593-10-24 05:59 J -29541123.37 -29541123.25 -29541123.12 0.3611 0.1251

Mercury -85591-05-10 18:42 J -29540559.81 -29540559.72 -29540559.62 0.3753 0.1998

Mercury -85587-05-10 05:44 J -29539099.39 -29539099.26 -29539099.13 0.3615 0.0130

Mercury -85586-11-24 14:23 J -29538535.97 -29538535.90 -29538535.83 0.3749 0.2923

Mercury -85582-11-24 05:01 J -29537075.41 -29537075.29 -29537075.16 0.3619 0.0952

Mercury -85576-06-09 03:49 J -29535051.45 -29535051.34 -29535051.23 0.3623 0.1973

Mercury -85573-03-03 05:30 J -29534053.30 -29534053.27 -29534053.24 0.3778 0.3594

Mercury -85571-12-24 02:23 J -29533027.47 -29533027.40 -29533027.33 0.3627 0.2966

Mercury -85568-09-16 23:44 J -29532029.58 -29532029.51 -29532029.44 0.3775 0.2836

Mercury -85562-04-02 18:13 J -29530005.84 -29530005.74 -29530005.65 0.3771 0.2050

Mercury -85557-10-16 12:42 J -29527982.07 -29527981.97 -29527981.86 0.3768 0.1243

Mercury -85551-05-02 07:40 J -29525958.30 -29525958.18 -29525958.07 0.3764 0.0432

Mercury -85547-05-01 05:16 J -29524498.33 -29524498.28 -29524498.23 0.3605 0.3300

Mercury -85546-11-16 02:37 J -29523934.51 -29523934.39 -29523934.28 0.3760 0.0459

Mercury -85542-11-15 05:44 J -29522474.37 -29522474.26 -29522474.15 0.3608 0.2100

Mercury -85540-05-31 21:49 J -29521910.70 -29521910.59 -29521910.48 0.3756 0.1338

Mercury -85536-05-31 05:44 J -29520450.39 -29520450.26 -29520450.13 0.3612 0.0949

Mercury -85535-12-15 17:16 J -29519886.87 -29519886.78 -29519886.69 0.3752 0.2242

Mercury -85531-12-15 05:16 J -29518426.41 -29518426.28 -29518426.15 0.3616 0.0183

Mercury -85529-06-30 13:11 J -29517863.01 -29517862.95 -29517862.90 0.3748 0.3186

Mercury -85525-06-30 04:18 J -29516402.44 -29516402.32 -29516402.19 0.3620 0.1231

Mercury -85519-01-14 03:06 J -29514378.47 -29514378.37 -29514378.27 0.3624 0.2251

Mercury -85517-10-08 03:35 J -29513380.39 -29513380.35 -29513380.30 0.3777 0.3402

Mercury -85514-07-31 01:25 J -29512354.49 -29512354.44 -29512354.38 0.3628 0.3226

Mercury -85511-04-23 21:49 J -29511356.66 -29511356.59 -29511356.51 0.3774 0.2637

Mercury -85506-11-07 16:18 J -29509332.91 -29509332.82 -29509332.72 0.3770 0.1843

Mercury -85500-05-23 11:01 J -29507309.15 -29507309.04 -29507308.93 0.3767 0.1022

Mercury -85495-12-07 05:44 J -29505285.37 -29505285.26 -29505285.14 0.3763 0.0242

Mercury -85491-12-06 05:16 J -29503825.36 -29503825.28 -29503825.21 0.3606 0.2979

Mercury -85489-06-22 00:56 J -29503261.57 -29503261.46 -29503261.35 0.3759 0.0690

Mercury -85485-06-21 05:30 J -29501801.39 -29501801.27 -29501801.16 0.3609 0.1799

Mercury -85483-01-05 20:08 J -29501237.76 -29501237.66 -29501237.55 0.3755 0.1586

Mercury -85479-01-05 05:16 J -29499777.41 -29499777.28 -29499777.14 0.3613 0.0655

Mercury -85478-07-22 15:49 J -29499213.92 -29499213.84 -29499213.75 0.3751 0.2499

Mercury -85474-07-22 04:47 J -29497753.43 -29497753.30 -29497753.17 0.3617 0.0453

Mercury -85472-02-04 11:44 J -29497190.06 -29497190.01 -29497189.97 0.3747 0.3445

Mercury -85468-02-04 03:49 J -29495729.46 -29495729.34 -29495729.22 0.3621 0.1508

Mercury -85463-08-21 02:37 J -29493705.49 -29493705.39 -29493705.30 0.3625 0.2522

Mercury -85460-05-15 01:54 J -29492707.48 -29492707.42 -29492707.37 0.3776 0.3201

Mercury -85457-03-06 00:42 J -29491681.50 -29491681.47 -29491681.44 0.3630 0.3487

Mercury -85455-11-28 20:08 J -29490683.74 -29490683.66 -29490683.58 0.3773 0.2429

Mercury -85449-06-13 14:37 J -29488659.99 -29488659.89 -29488659.79 0.3769 0.1625

Mercury -85444-12-28 09:20 J -29486636.22 -29486636.11 -29486636.00 0.3766 0.0802

Mercury -85438-07-14 04:18 J -29484612.44 -29484612.32 -29484612.21 0.3762 0.0094

Mercury -85434-07-13 05:01 J -29483152.38 -29483152.29 -29483152.20 0.3607 0.2668

Mercury -85432-01-26 23:30 J -29482588.63 -29482588.52 -29482588.41 0.3758 0.0938

Mercury -85428-01-26 05:16 J -29481128.40 -29481128.28 -29481128.16 0.3610 0.1485

Mercury -85427-08-12 18:42 J -29480564.82 -29480564.72 -29480564.62 0.3754 0.1834

Mercury -85423-08-12 05:01 J -29479104.42 -29479104.29 -29479104.16 0.3614 0.0350

Mercury -85421-02-26 14:23 J -29478540.98 -29478540.90 -29478540.82 0.3750 0.2760

Mercury -85417-02-26 04:18 J -29477080.45 -29477080.32 -29477080.19 0.3618 0.0746

Mercury -85416-09-11 10:18 J -29476517.08 -29476517.07 -29476517.06 0.3745 0.3716

Mercury -85412-09-11 03:20 J -29475056.47 -29475056.36 -29475056.25 0.3622 0.1794

Mercury -85409-06-05 05:44 J -29474058.26 -29474058.26 -29474058.25 0.3778 0.3762

Mercury -85406-03-28 01:54 J -29473032.50 -29473032.42 -29473032.34 0.3626 0.2795

Mercury -85404-12-19 23:59 J -29472034.57 -29472034.50 -29472034.44 0.3775 0.3003

Mercury -85398-07-05 18:28 J -29470010.82 -29470010.73 -29470010.65 0.3772 0.2223

Mercury -85392-01-18 12:56 J -29467987.07 -29467986.96 -29467986.86 0.3768 0.1410

Mercury -85387-08-04 07:40 J -29465963.29 -29465963.18 -29465963.07 0.3765 0.0573

Mercury -85383-08-03 04:18 J -29464503.34 -29464503.32 -29464503.30 0.3604 0.3564

Mercury -85381-02-18 02:37 J -29463939.50 -29463939.39 -29463939.28 0.3761 0.0286

Mercury -85377-02-17 04:47 J -29462479.40 -29462479.30 -29462479.20 0.3608 0.2347

Mercury -85376-09-02 21:49 J -29461915.70 -29461915.59 -29461915.48 0.3757 0.1178

Mercury -85372-09-02 05:01 J -29460455.42 -29460455.29 -29460455.17 0.3611 0.1172

Mercury -85370-03-19 17:16 J -29459891.87 -29459891.78 -29459891.68 0.3753 0.2092

Mercury -85366-03-19 04:32 J -29458431.44 -29458431.31 -29458431.17 0.3615 0.0088

Mercury -85365-10-02 12:56 J -29457868.02 -29457867.96 -29457867.89 0.3748 0.3031

Mercury -85361-10-02 03:49 J -29456407.46 -29456407.34 -29456407.21 0.3619 0.1039

Mercury -85355-04-18 02:37 J -29454383.49 -29454383.39 -29454383.28 0.3624 0.2079

Mercury -85352-01-10 03:49 J -29453385.37 -29453385.34 -29453385.30 0.3777 0.3571

Mercury -85350-11-02 01:11 J -29452359.52 -29452359.45 -29452359.39 0.3628 0.3066

Mercury -85347-07-26 22:04 J -29451361.65 -29451361.58 -29451361.50 0.3774 0.2802

Mercury -85341-02-09 16:32 J -29449337.90 -29449337.81 -29449337.71 0.3771 0.2007

Mercury -85336-08-25 11:16 J -29447314.14 -29447314.03 -29447313.93 0.3767 0.1185

Mercury -85330-03-11 05:59 J -29445290.36 -29445290.25 -29445290.13 0.3764 0.0351

Mercury -85326-03-10 04:18 J -29443830.38 -29443830.32 -29443830.27 0.3605 0.3238

Mercury -85325-09-24 01:11 J -29443266.57 -29443266.45 -29443266.34 0.3760 0.0540

Mercury -85321-09-23 04:47 J -29441806.42 -29441806.30 -29441806.19 0.3609 0.2029

Mercury -85319-04-09 20:23 J -29441242.76 -29441242.65 -29441242.54 0.3756 0.1427

Mercury -85315-04-09 04:47 J -29439782.43 -29439782.30 -29439782.18 0.3612 0.0871

Mercury -85314-10-24 15:49 J -29439218.93 -29439218.84 -29439218.75 0.3752 0.2352

Mercury -85310-10-24 04:04 J -29437758.46 -29437758.33 -29437758.19 0.3616 0.0282

Mercury -85308-05-09 11:44 J -29437195.07 -29437195.01 -29437194.96 0.3747 0.3296

Mercury -85304-05-09 03:20 J -29435734.48 -29435734.36 -29435734.24 0.3621 0.1327

Mercury -85299-11-23 02:08 J -29433710.51 -29433710.41 -29433710.32 0.3625 0.2356

Mercury -85296-08-17 02:08 J -29432712.46 -29432712.41 -29432712.36 0.3776 0.3366

Mercury -85293-06-08 00:13 J -29431686.53 -29431686.49 -29431686.44 0.3629 0.3332

Mercury -85290-03-02 20:23 J -29430688.73 -29430688.65 -29430688.57 0.3773 0.2590

Mercury -85285-09-15 14:52 J -29428664.98 -29428664.88 -29428664.78 0.3770 0.1790

Mercury -85279-04-01 09:35 J -29426641.21 -29426641.10 -29426640.99 0.3766 0.0961

Mercury -85274-10-16 04:18 J -29424617.43 -29424617.32 -29424617.20 0.3763 0.0179

Mercury -85270-10-15 04:04 J -29423157.41 -29423157.33 -29423157.25 0.3606 0.2912

Mercury -85268-04-30 23:30 J -29422593.63 -29422593.52 -29422593.41 0.3759 0.0774

Mercury -85264-04-30 04:32 J -29421133.43 -29421133.31 -29421133.20 0.3610 0.1710

Mercury -85263-11-14 18:56 J -29420569.82 -29420569.71 -29420569.61 0.3755 0.1681

Mercury -85259-11-14 04:18 J -29419109.45 -29419109.32 -29419109.19 0.3614 0.0557

Mercury -85257-05-30 14:23 J -29418545.98 -29418545.90 -29418545.81 0.3750 0.2612

Mercury -85253-05-30 03:35 J -29417085.48 -29417085.35 -29417085.22 0.3618 0.0556

Mercury -85252-12-14 10:18 J -29416522.10 -29416522.07 -29416522.04 0.3746 0.3562

Mercury -85248-12-14 02:37 J -29415061.50 -29415061.39 -29415061.27 0.3622 0.1619

Mercury -85242-06-30 01:11 J -29413037.53 -29413037.45 -29413037.36 0.3626 0.2624

Mercury -85239-03-24 00:13 J -29412039.55 -29412039.49 -29412039.43 0.3776 0.3164

Mercury -85236-01-12 23:30 J -29411013.53 -29411013.52 -29411013.51 0.3630 0.3600

Mercury -85234-10-07 18:42 J -29410015.81 -29410015.72 -29410015.64 0.3772 0.2382

Mercury -85228-04-22 13:11 J -29407992.05 -29407991.95 -29407991.85 0.3769 0.1569

Mercury -85223-11-06 07:54 J -29405968.28 -29405968.17 -29405968.06 0.3765 0.0734

Mercury -85217-05-22 02:52 J -29403944.50 -29403944.38 -29403944.27 0.3762 0.0149

Mercury -85213-05-21 04:04 J -29402484.43 -29402484.33 -29402484.24 0.3607 0.2591

Mercury -85212-12-05 21:49 J -29401920.70 -29401920.59 -29401920.48 0.3758 0.1027

Mercury -85208-12-05 04:18 J -29400460.45 -29400460.32 -29400460.20 0.3611 0.1398

Mercury -85206-06-21 17:30 J -29399896.87 -29399896.77 -29399896.68 0.3754 0.1941

Mercury -85202-06-21 03:49 J -29398436.47 -29398436.34 -29398436.21 0.3615 0.0260

Mercury -85200-01-04 12:56 J -29397873.03 -29397872.96 -29397872.88 0.3749 0.2873

Mercury -85196-01-04 03:06 J -29396412.49 -29396412.37 -29396412.24 0.3619 0.0848

Mercury -85191-07-21 02:08 J -29394388.52 -29394388.41 -29394388.30 0.3623 0.1895

Mercury -85188-04-14 04:18 J -29393390.33 -29393390.32 -29393390.31 0.3778 0.3728

Mercury -85185-02-04 00:28 J -29392364.55 -29392364.48 -29392364.40 0.3627 0.2900

Mercury -85183-10-28 22:32 J -29391366.63 -29391366.56 -29391366.50 0.3775 0.2960

Mercury -85177-05-13 16:47 J -29389342.89 -29389342.80 -29389342.71 0.3771 0.2166

Mercury -85172-11-27 11:30 J -29387319.13 -29387319.02 -29387318.92 0.3768 0.1354

Mercury -85166-06-13 06:13 J -29385295.35 -29385295.24 -29385295.13 0.3764 0.0498

Mercury -85162-06-12 03:20 J -29383835.39 -29383835.36 -29383835.33 0.3604 0.3498

Mercury -85161-12-27 01:11 J -29383271.56 -29383271.45 -29383271.34 0.3760 0.0370

Mercury -85157-12-26 03:49 J -29381811.44 -29381811.34 -29381811.24 0.3608 0.2262

Mercury -85155-07-12 20:23 J -29381247.76 -29381247.65 -29381247.54 0.3757 0.1267

Mercury -85151-07-12 03:49 J -29379787.47 -29379787.34 -29379787.21 0.3612 0.1090

Mercury -85149-01-26 15:49 J -29379223.93 -29379223.84 -29379223.74 0.3752 0.2192

Mercury -85145-01-26 03:20 J -29377763.49 -29377763.36 -29377763.22 0.3616 0.0115

Mercury -85144-08-11 11:30 J -29377200.08 -29377200.02 -29377199.95 0.3748 0.3144

Mercury -85140-08-11 02:37 J -29375739.51 -29375739.39 -29375739.27 0.3620 0.1134

Mercury -85134-02-25 01:25 J -29373715.54 -29373715.44 -29373715.34 0.3624 0.2178

Mercury -85132-11-19 02:23 J -29372717.44 -29372717.40 -29372717.36 0.3777 0.3532

Mercury -85129-09-09 23:59 J -29371691.56 -29371691.50 -29371691.45 0.3628 0.3179

Mercury -85126-06-04 20:37 J -29370693.71 -29370693.64 -29370693.56 0.3774 0.2750

Mercury -85121-12-18 15:06 J -29368669.97 -29368669.87 -29368669.78 0.3771 0.1953

Mercury -85115-07-04 09:35 J -29366646.20 -29366646.10 -29366645.99 0.3767 0.1130

Mercury -85109-01-18 04:32 J -29364622.42 -29364622.31 -29364622.20 0.3763 0.0266

Mercury -85105-01-17 03:06 J -29363162.43 -29363162.37 -29363162.30 0.3605 0.3165

Mercury -85104-08-02 23:30 J -29362598.63 -29362598.52 -29362598.40 0.3759 0.0628

Mercury -85100-08-02 03:35 J -29361138.46 -29361138.35 -29361138.24 0.3609 0.1946

Mercury -85098-02-16 18:56 J -29360574.82 -29360574.71 -29360574.61 0.3755 0.1521

Mercury -85094-02-16 03:35 J -29359114.48 -29359114.35 -29359114.22 0.3613 0.0782

Mercury -85093-09-01 14:23 J -29358550.98 -29358550.90 -29358550.81 0.3751 0.2458

Mercury -85089-09-01 03:06 J -29357090.50 -29357090.37 -29357090.24 0.3617 0.0357

Mercury -85087-03-18 10:18 J -29356527.12 -29356527.07 -29356527.03 0.3747 0.3417

Mercury -85083-03-18 02:08 J -29355066.53 -29355066.41 -29355066.29 0.3621 0.1428

Mercury -85078-10-02 00:42 J -29353042.56 -29353042.47 -29353042.37 0.3625 0.2463

Mercury -85075-06-26 00:28 J -29352044.53 -29352044.48 -29352044.43 0.3776 0.3330

Mercury -85072-04-16 23:01 J -29351018.57 -29351018.54 -29351018.50 0.3629 0.3453

Mercury -85069-01-09 18:56 J -29350020.80 -29350020.71 -29350020.63 0.3773 0.2545

Mercury -85064-07-25 13:25 J -29347997.04 -29347996.94 -29347996.85 0.3770 0.1736

Mercury -85058-02-08 07:54 J -29345973.28 -29345973.17 -29345973.06 0.3766 0.0902

Mercury -85053-08-24 02:52 J -29343949.49 -29343949.38 -29343949.26 0.3762 0.0066

Mercury -85049-08-23 03:06 J -29342489.45 -29342489.37 -29342489.29 0.3606 0.2832

Mercury -85047-03-09 22:04 J -29341925.69 -29341925.58 -29341925.47 0.3758 0.0864

Mercury -85043-03-09 03:20 J -29340465.48 -29340465.36 -29340465.24 0.3610 0.1627

Mercury -85042-09-23 17:30 J -29339901.87 -29339901.77 -29339901.67 0.3754 0.1783

Mercury -85038-09-23 03:06 J -29338441.50 -29338441.37 -29338441.24 0.3614 0.0466

Mercury -85036-04-08 12:56 J -29337878.03 -29337877.96 -29337877.88 0.3750 0.2728

Mercury -85032-04-08 02:37 J -29336417.52 -29336417.39 -29336417.26 0.3618 0.0655

Mercury -85031-10-23 08:52 J -29335854.14 -29335854.13 -29335854.11 0.3746 0.3695

Mercury -85027-10-23 01:25 J -29334393.55 -29334393.44 -29334393.32 0.3622 0.1721

Mercury -85021-05-07 23:59 J -29332369.58 -29332369.50 -29332369.41 0.3626 0.2748

Mercury -85018-01-30 22:47 J -29331371.61 -29331371.55 -29331371.49 0.3775 0.3128

Mercury -85013-08-15 17:01 J -29329347.88 -29329347.79 -29329347.70 0.3772 0.2327

Mercury -85007-03-01 11:30 J -29327324.12 -29327324.02 -29327323.91 0.3769 0.1510

Mercury -85002-09-15 06:13 J -29325300.35 -29325300.24 -29325300.12 0.3765 0.0675

85TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 85th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-84996-03-31 01:25 J	-29323276.56	-29323276.44	-29323276.33	0.3761	0.0264		
Mercury	-84992-03-30 02:52 J	-29321816.47	-29321816.38	-29321816.28	0.3607	0.2505		
Mercury	-84991-10-14 20:37 J	-29321252.75	-29321252.64	-29321252.54	0.3757	0.1126		
Mercury	-84987-10-14 03:06 J	-29319792.50	-29319792.37	-29319792.25	0.3611	0.1307		
Mercury	-84985-04-29 16:04 J	-29319228.93	-29319228.83	-29319228.74	0.3753	0.2048		
Mercury	-84981-04-29 02:52 J	-29317768.52	-29317768.38	-29317768.25	0.3615	0.0168		
Mercury	-84980-11-13 11:44 J	-29317205.08	-29317205.01	-29317204.95	0.3749	0.2999		
Mercury	-84976-11-13 02:08 J	-29315744.54	-29315744.41	-29315744.29	0.3619	0.0955		
Mercury	-84970-05-30 00:56 J	-29313720.57	-29313720.46	-29313720.35	0.3623	0.2007		
Mercury	-84967-02-21 02:37 J	-29312722.41	-29312722.39	-29312722.37	0.3778	0.3695		
Mercury	-84965-12-12 23:30 J	-29311696.59	-29311696.52	-29311696.45	0.3628	0.3026		
Mercury	-84962-09-06 20:52 J	-29310698.70	-29310698.63	-29310698.56	0.3774	0.2913		
Mercury	-84956-03-22 15:20 J	-29308674.95	-29308674.86	-29308674.77	0.3771	0.2107		
Mercury	-84951-10-06 09:49 J	-29306651.19	-29306651.09	-29306650.98	0.3768	0.1281		
Mercury	-84945-04-21 04:47 J	-29304627.41	-29304627.30	-29304627.19	0.3764	0.0426		
Mercury	-84941-04-20 02:23 J	-29303167.44	-29303167.40	-29303167.36	0.3605	0.3406		
Mercury	-84940-11-04 23:44 J	-29302603.62	-29302603.51	-29302603.40	0.3760	0.0465		

Mercury -84936-11-04 02:52 J -29301143.49 -29301143.38 -29301143.28 0.3608 0.2178

Mercury -84934-05-21 18:56 J -29300579.81 -29300579.71 -29300579.60 0.3756 0.1377

Mercury -84930-05-21 02:52 J -29299119.51 -29299119.38 -29299119.25 0.3612 0.0992

Mercury -84929-12-04 14:23 J -29298555.99 -29298555.90 -29298555.81 0.3752 0.2308

Mercury -84925-12-04 02:23 J -29297095.53 -29297095.40 -29297095.27 0.3616 0.0155

Mercury -84923-06-20 10:18 J -29296532.13 -29296532.07 -29296532.02 0.3748 0.3272

Mercury -84919-06-20 01:25 J -29295071.56 -29295071.44 -29295071.32 0.3620 0.1243

Mercury -84913-01-04 00:13 J -29293047.59 -29293047.49 -29293047.39 0.3625 0.2297

Mercury -84911-09-28 00:56 J -29292049.50 -29292049.46 -29292049.42 0.3777 0.3490

Mercury -84908-07-19 22:32 J -29291023.61 -29291023.56 -29291023.51 0.3629 0.3296

Mercury -84905-04-12 19:11 J -29290025.78 -29290025.70 -29290025.63 0.3773 0.2699

Mercury -84900-10-27 13:40 J -29288002.03 -29288001.93 -29288001.84 0.3770 0.1887

Mercury -84894-05-13 08:08 J -29285978.26 -29285978.16 -29285978.05 0.3766 0.1049

Mercury -84889-11-26 03:06 J -29283954.48 -29283954.37 -29283954.26 0.3763 0.0192

Mercury -84885-11-25 02:08 J -29282494.47 -29282494.41 -29282494.34 0.3606 0.3072

Mercury -84883-06-11 22:04 J -29281930.69 -29281930.58 -29281930.46 0.3759 0.0728

Mercury -84879-06-11 02:23 J -29280470.51 -29280470.40 -29280470.28 0.3610 0.1859

Mercury -84878-12-26 17:30 J -29279906.88 -29279906.77 -29279906.67 0.3755 0.1630

Mercury -84874-12-26 02:23 J -29278446.53 -29278446.40 -29278446.27 0.3613 0.0674

Mercury -84872-07-11 12:56 J -29277883.04 -29277882.96 -29277882.87 0.3751 0.2580

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Mercury -84849-11-17 17:16 J -29269352.86 -29269352.78 -29269352.70 0.3773 0.2485

Mercury -84843-06-03 11:44 J -29267329.11 -29267329.01 -29267328.91 0.3769 0.1663

Mercury -84838-12-18 06:28 J -29265305.34 -29265305.23 -29265305.12 0.3766 0.0815

Mercury -84832-07-03 01:25 J -29263281.55 -29263281.44 -29263281.33 0.3762 0.0069

Mercury -84828-07-02 01:54 J -29261821.50 -29261821.42 -29261821.33 0.3607 0.2749

Mercury -84826-01-16 20:37 J -29261257.75 -29261257.64 -29261257.53 0.3758 0.0967

Mercury -84822-01-16 02:23 J -29259797.53 -29259797.40 -29259797.28 0.3611 0.1535

Mercury -84821-08-01 16:04 J -29259233.93 -29259233.83 -29259233.74 0.3754 0.1896

Mercury -84817-08-01 01:54 J -29257773.55 -29257773.42 -29257773.28 0.3614 0.0379

Mercury -84815-02-15 11:30 J -29257210.09 -29257210.02 -29257209.94 0.3749 0.2848

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Mercury -84792-06-24 15:35 J -29248679.94 -29248679.85 -29248679.77 0.3772 0.2267

Mercury -84786-01-08 10:04 J -29246656.18 -29246656.08 -29246655.98 0.3768 0.1435

Mercury -84781-07-24 04:47 J -29244632.41 -29244632.30 -29244632.19 0.3765 0.0578

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Mercury -84764-03-08 14:23 J -29238560.99 -29238560.90 -29238560.80 0.3752 0.2160

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Mercury -84744-10-21 22:04 J -29231028.64 -29231028.58 -29231028.52 0.3628 0.3148

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Mercury -84735-01-29 13:40 J -29228007.02 -29228006.93 -29228006.83 0.3771 0.2047

Mercury -84730-08-15 08:23 J -29225983.26 -29225983.15 -29225983.05 0.3767 0.1202

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Mercury -84720-02-27 01:11 J -29222499.50 -29222499.45 -29222499.40 0.3605 0.3324

Mercury -84719-09-13 22:18 J -29221935.68 -29221935.57 -29221935.46 0.3760 0.0567

Mercury -84715-09-13 01:40 J -29220475.54 -29220475.43 -29220475.32 0.3609 0.2078

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Mercury -84708-10-13 13:11 J -29217888.04 -29217887.95 -29217887.87 0.3751 0.2435

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Mercury -84693-11-11 23:01 J -29212379.63 -29212379.54 -29212379.44 0.3625 0.2421

Mercury -84690-08-06 23:16 J -29211381.57 -29211381.53 -29211381.49 0.3777 0.3441

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Mercury -84684-02-19 17:30 J -29209357.85 -29209357.77 -29209357.69 0.3773 0.2643

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Mercury -84636-06-18 22:18 J -29191706.65 -29191706.57 -29191706.49 0.3626 0.2708

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Mercury -84628-09-26 15:49 J -29188684.93 -29188684.84 -29188684.76 0.3772 0.2422

Mercury -84622-04-12 10:18 J -29186661.17 -29186661.07 -29186660.97 0.3769 0.1584

Mercury -84617-10-26 05:01 J -29184637.40 -29184637.29 -29184637.18 0.3765 0.0723

Mercury -84611-05-11 23:59 J -29182613.61 -29182613.50 -29182613.39 0.3761 0.0164

Mercury -84607-05-11 01:11 J -29181153.55 -29181153.45 -29181153.36 0.3607 0.2643

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Mercury -84600-06-10 14:37 J -29178565.99 -29178565.89 -29178565.80 0.3753 0.2020

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Mercury -84591-12-25 00:13 J -29175081.62 -29175081.49 -29175081.36 0.3619 0.0887

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Mercury -84579-01-23 21:35 J -29171033.67 -29171033.60 -29171033.53 0.3627 0.2997

Mercury -84577-10-17 19:40 J -29170035.75 -29170035.68 -29170035.62 0.3775 0.3012

Mercury -84571-05-03 13:54 J -29168012.00 -29168011.92 -29168011.83 0.3771 0.2200

Mercury -84566-11-17 08:37 J -29165988.25 -29165988.14 -29165988.04 0.3768 0.1353

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Mercury -84556-06-01 00:13 J -29162504.50 -29162504.49 -29162504.47 0.3604 0.3573

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Mercury -84528-02-13 22:18 J -29152384.67 -29152384.57 -29152384.46 0.3624 0.2261

Mercury -84526-11-08 23:30 J -29151386.55 -29151386.52 -29151386.49 0.3777 0.3598

Mercury -84523-08-30 20:52 J -29150360.68 -29150360.63 -29150360.58 0.3628 0.3283

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Mercury -84509-06-23 06:56 J -29145315.32 -29145315.21 -29145315.11 0.3767 0.1119

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Mercury -84487-08-22 11:30 J -29137220.10 -29137220.02 -29137219.93 0.3751 0.2566

Mercury -84483-08-21 23:59 J -29135759.63 -29135759.50 -29135759.37 0.3617 0.0388

Mercury -84481-03-07 07:25 J -29135196.22 -29135196.19 -29135196.16 0.3747 0.3549

Mercury -84477-03-06 23:01 J -29133735.66 -29133735.54 -29133735.42 0.3621 0.1495

Mercury -84472-09-20 21:49 J -29131711.68 -29131711.59 -29131711.50 0.3625 0.2556

Mercury -84469-06-14 21:49 J -29130713.64 -29130713.59 -29130713.55 0.3776 0.3387

Mercury -84466-04-06 20:08 J -29129687.68 -29129687.66 -29129687.64 0.3630 0.3570

Mercury -84464-12-29 16:04 J -29128689.91 -29128689.83 -29128689.75 0.3773 0.2580

Mercury -84458-07-15 10:32 J -29126666.16 -29126666.06 -29126665.96 0.3770 0.1742

Mercury -84452-01-28 05:16 J -29124642.39 -29124642.28 -29124642.18 0.3766 0.0886

Mercury -84447-08-13 23:59 J -29122618.61 -29122618.50 -29122618.38 0.3762 0.0130

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Mercury -84441-02-27 19:11 J -29120594.81 -29120594.70 -29120594.59 0.3758 0.0928

Mercury -84437-02-27 00:13 J -29119134.60 -29119134.49 -29119134.37 0.3610 0.1645

Mercury -84436-09-12 14:37 J -29118570.99 -29118570.89 -29118570.79 0.3754 0.1875

Mercury -84432-09-12 00:13 J -29117110.62 -29117110.49 -29117110.36 0.3614 0.0443

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Mercury -84426-03-28 23:30 J -29115086.65 -29115086.52 -29115086.39 0.3618 0.0702

Mercury -84421-10-11 22:32 J -29113062.67 -29113062.56 -29113062.45 0.3622 0.1801

Mercury -84415-04-27 21:06 J -29111038.70 -29111038.62 -29111038.54 0.3627 0.2854

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Mercury -84407-08-05 14:08 J -29108016.99 -29108016.91 -29108016.82 0.3772 0.2351

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Mercury -84396-09-04 03:35 J -29103969.46 -29103969.35 -29103969.24 0.3765 0.0641

Mercury -84390-03-20 22:32 J -29101945.68 -29101945.56 -29101945.45 0.3761 0.0282

Mercury -84386-03-19 23:59 J -29100485.59 -29100485.50 -29100485.40 0.3607 0.2534

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Mercury -84381-10-03 00:13 J -29098461.62 -29098461.49 -29098461.37 0.3611 0.1308

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Mercury -84375-04-18 23:44 J -29096437.64 -29096437.51 -29096437.37 0.3615 0.0165

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Mercury -84370-11-02 23:01 J -29094413.66 -29094413.54 -29094413.41 0.3619 0.1016

Mercury -84364-05-18 22:04 J -29092389.69 -29092389.58 -29092389.48 0.3624 0.2109

Mercury -84361-02-10 23:44 J -29091391.51 -29091391.51 -29091391.50 0.3778 0.3757

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Mercury -84356-08-26 17:59 J -29089367.81 -29089367.75 -29089367.68 0.3774 0.2950

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Mercury -84345-09-25 06:56 J -29085320.31 -29085320.21 -29085320.10 0.3767 0.1275

Mercury -84339-04-11 01:54 J -29083296.53 -29083296.42 -29083296.31 0.3764 0.0381

Mercury -84335-04-09 23:30 J -29081836.56 -29081836.52 -29081836.49 0.3605 0.3461

Mercury -84334-10-25 20:52 J -29081272.74 -29081272.63 -29081272.52 0.3760 0.0532

Mercury -84330-10-24 23:44 J -29079812.61 -29079812.51 -29079812.40 0.3608 0.2194

Mercury -84328-05-10 16:04 J -29079248.93 -29079248.83 -29079248.72 0.3756 0.1472

Mercury -84324-05-09 23:44 J -29077788.63 -29077788.51 -29077788.38 0.3612 0.0975

Mercury -84323-11-24 11:44 J -29077225.10 -29077225.01 -29077224.93 0.3752 0.2429

Mercury -84319-11-23 23:30 J -29075764.66 -29075764.52 -29075764.39 0.3616 0.0232

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Mercury -84313-06-08 22:32 J -29073740.68 -29073740.56 -29073740.44 0.3621 0.1324

Mercury -84308-12-23 21:20 J -29071716.71 -29071716.61 -29071716.52 0.3625 0.2407

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Mercury -84302-07-09 19:40 J -29069692.72 -29069692.68 -29069692.65 0.3629 0.3432

Mercury -84299-04-02 16:18 J -29068694.90 -29068694.82 -29068694.75 0.3773 0.2725

Mercury -84294-10-17 10:47 J -29066671.15 -29066671.05 -29066670.96 0.3770 0.1889

Mercury -84288-05-02 05:16 J -29064647.38 -29064647.28 -29064647.17 0.3766 0.1030

Mercury -84283-11-16 00:13 J -29062623.60 -29062623.49 -29062623.38 0.3763 0.0131

Mercury -84279-11-14 23:16 J -29061163.60 -29061163.53 -29061163.46 0.3606 0.3110

Mercury -84277-05-31 19:25 J -29060599.81 -29060599.69 -29060599.58 0.3759 0.0800

Mercury -84273-05-30 23:30 J -29059139.63 -29059139.52 -29059139.40 0.3610 0.1857

Mercury -84272-12-15 14:37 J -29058575.99 -29058575.89 -29058575.79 0.3755 0.1732

Mercury -84268-12-14 23:30 J -29057115.65 -29057115.52 -29057115.39 0.3613 0.0638

Mercury -84266-07-01 10:18 J -29056552.15 -29056552.07 -29056552.00 0.3751 0.2711

Mercury -84262-06-30 22:47 J -29055091.68 -29055091.55 -29055091.42 0.3618 0.0517

Mercury -84260-01-14 05:59 J -29054528.26 -29054528.25 -29054528.24 0.3746 0.3706

Mercury -84256-01-13 21:49 J -29053067.70 -29053067.59 -29053067.47 0.3622 0.1640

Mercury -84251-07-30 20:37 J -29051043.73 -29051043.64 -29051043.56 0.3626 0.2701

Mercury -84248-04-23 20:08 J -29050045.71 -29050045.66 -29050045.61 0.3776 0.3319

Mercury -84243-11-07 14:23 J -29048021.98 -29048021.90 -29048021.81 0.3773 0.2501

Mercury -84237-05-23 08:52 J -29045998.23 -29045998.13 -29045998.03 0.3769 0.1657

Mercury -84232-12-07 03:35 J -29043974.46 -29043974.35 -29043974.24 0.3766 0.0785

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Mercury -84222-06-21 23:01 J -29040490.62 -29040490.54 -29040490.45 0.3607 0.2769

Mercury -84220-01-05 17:44 J -29039926.87 -29039926.76 -29039926.65 0.3758 0.1053

Mercury -84216-01-04 23:16 J -29038466.65 -29038466.53 -29038466.41 0.3611 0.1515

Mercury -84215-07-22 13:11 J -29037903.05 -29037902.95 -29037902.86 0.3754 0.2010

Mercury -84211-07-21 23:01 J -29036442.67 -29036442.54 -29036442.41 0.3614 0.0318

Mercury -84209-02-05 08:52 J -29035879.20 -29035879.13 -29035879.07 0.3749 0.2994

Mercury -84205-02-04 22:18 J -29034418.69 -29034418.57 -29034418.44 0.3619 0.0841

Mercury -84200-08-20 21:20 J -29032394.72 -29032394.61 -29032394.50 0.3623 0.1940

Mercury -84194-03-06 19:54 J -29030370.74 -29030370.67 -29030370.60 0.3627 0.3000

Mercury -84192-11-28 18:13 J -29029372.80 -29029372.74 -29029372.68 0.3775 0.3104

Mercury -84186-06-14 12:42 J -29027349.06 -29027348.97 -29027348.88 0.3772 0.2265

Mercury -84181-12-28 07:11 J -29025325.30 -29025325.20 -29025325.10 0.3768 0.1414

Mercury -84175-07-14 01:54 J -29023301.53 -29023301.42 -29023301.30 0.3765 0.0546

Mercury -84169-01-27 20:52 J -29021277.74 -29021277.63 -29021277.51 0.3760 0.0411

Mercury -84165-01-26 22:47 J -29019817.64 -29019817.55 -29019817.45 0.3608 0.2424

Mercury -84164-08-12 16:18 J -29019253.93 -29019253.82 -29019253.72 0.3757 0.1330

Mercury -84160-08-11 23:01 J -29017793.67 -29017793.54 -29017793.41 0.3612 0.1179

Mercury -84158-02-26 11:44 J -29017230.10 -29017230.01 -29017229.92 0.3752 0.2289

Mercury -84154-02-25 22:32 J -29015769.69 -29015769.56 -29015769.42 0.3616 0.0078

Mercury -84153-09-11 07:25 J -29015206.24 -29015206.19 -29015206.14 0.3748 0.3285

Mercury -84149-09-10 21:49 J -29013745.71 -29013745.59 -29013745.46 0.3620 0.1161

Mercury -84143-03-27 20:37 J -29011721.74 -29011721.64 -29011721.54 0.3624 0.2250

Mercury -84141-12-19 22:18 J -29010723.59 -29010723.57 -29010723.55 0.3777 0.3694

Mercury -84138-10-11 19:11 J -29009697.75 -29009697.70 -29009697.65 0.3628 0.3301

Mercury -84135-07-05 16:32 J -29008699.88 -29008699.81 -29008699.74 0.3774 0.2879

Mercury -84129-01-19 10:47 J -29006676.14 -29006676.05 -29006675.95 0.3771 0.2042

Mercury -84124-08-04 05:30 J -29004652.38 -29004652.27 -29004652.16 0.3767 0.1170

Mercury -84118-02-18 00:28 J -29002628.60 -29002628.48 -29002628.37 0.3763 0.0313

Mercury -84114-02-16 22:18 J -29001168.62 -29001168.57 -29001168.52 0.3605 0.3349

Mercury -84113-09-02 19:25 J -29000604.80 -29000604.69 -29000604.58 0.3759 0.0649

Mercury -84109-09-01 22:47 J -28999144.66 -28999144.55 -28999144.44 0.3609 0.2071

Mercury -84107-03-19 14:37 J -28998580.99 -28998580.89 -28998580.78 0.3755 0.1600

Mercury -84103-03-18 22:47 J -28997120.68 -28997120.55 -28997120.42 0.3613 0.0851

Mercury -84102-10-03 10:18 J -28996557.16 -28996557.07 -28996556.99 0.3751 0.2575

Mercury -84098-10-02 22:18 J -28995096.70 -28995096.57 -28995096.44 0.3617 0.0351

Mercury -84096-04-18 05:59 J -28994533.28 -28994533.25 -28994533.22 0.3747 0.3581

Mercury -84092-04-17 21:20 J -28993072.73 -28993072.61 -28993072.49 0.3621 0.1473

Mercury -84087-11-01 20:08 J -28991048.75 -28991048.66 -28991048.57 0.3625 0.2558

Mercury -84084-07-26 20:23 J -28990050.69 -28990050.65 -28990050.61 0.3777 0.3474

Mercury -84081-05-17 18:28 J -28989024.74 -28989024.73 -28989024.72 0.3629 0.3597

Mercury -84078-02-09 14:37 J -28988026.96 -28988026.89 -28988026.81 0.3773 0.2652

Mercury -84073-08-25 09:06 J -28986003.22 -28986003.12 -28986003.02 0.3770 0.1799

Mercury -84067-03-11 03:49 J -28983979.45 -28983979.34 -28983979.23 0.3766 0.0921

Mercury -84062-09-24 22:47 J -28981955.67 -28981955.55 -28981955.44 0.3762 0.0073

Mercury -84058-09-23 22:18 J -28980495.65 -28980495.57 -28980495.50 0.3606 0.2994

Mercury -84056-04-09 17:44 J -28979931.87 -28979931.76 -28979931.64 0.3758 0.0932

Mercury -84052-04-08 22:32 J -28978471.68 -28978471.56 -28978471.44 0.3610 0.1724

Mercury -84051-10-24 13:11 J -28977908.05 -28977907.95 -28977907.85 0.3754 0.1877

Mercury -84047-10-23 22:18 J -28976447.70 -28976447.57 -28976447.44 0.3614 0.0508

Mercury -84045-05-09 08:52 J -28975884.21 -28975884.13 -28975884.06 0.3750 0.2864

Mercury -84041-05-08 21:49 J -28974423.72 -28974423.59 -28974423.46 0.3618 0.0669

Mercury -84036-11-22 20:52 J -28972399.75 -28972399.63 -28972399.52 0.3622 0.1790

Mercury -84030-06-08 19:25 J -28970375.77 -28970375.69 -28970375.62 0.3626 0.2861

Mercury -84027-03-02 18:28 J -28969377.78 -28969377.73 -28969377.67 0.3776 0.3255

Mercury -84022-09-16 12:56 J -28967354.05 -28967353.96 -28967353.88 0.3772 0.2417

Mercury -84016-04-01 07:25 J -28965330.29 -28965330.19 -28965330.09 0.3769 0.1555

Mercury -84011-10-16 02:08 J -28963306.52 -28963306.41 -28963306.30 0.3765 0.0670

Mercury -84005-04-30 21:06 J -28961282.73 -28961282.62 -28961282.51 0.3761 0.0248

Mercury -84001-04-29 22:04 J -28959822.67 -28959822.58 -28959822.49 0.3607 0.2636

84TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 84th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-84000-11-14 16:18 J	-28959258.93	-28959258.82	-28959258.71	0.3757	0.1189		
Mercury	-83996-11-13 22:18 J	-28957798.70	-28957798.57	-28957798.45	0.3611	0.1381		
Mercury	-83994-05-31 11:44 J	-28957235.10	-28957235.01	-28957234.92	0.3753	0.2159		
Mercury	-83990-05-30 22:04 J	-28955774.72	-28955774.58	-28955774.45	0.3615	0.0209		
Mercury	-83989-12-14 07:25 J	-28955211.25	-28955211.19	-28955211.13	0.3749	0.3153		
Mercury	-83985-12-13 21:20 J	-28953750.74	-28953750.61	-28953750.49	0.3619	0.0993		
Mercury	-83979-06-29 20:08 J	-28951726.77	-28951726.66	-28951726.56	0.3623	0.2095		

Mercury -83973-01-13 18:42 J -28949702.78 -28949702.72 -28949702.66 0.3628 0.3165

Mercury -83971-10-07 16:47 J -28948704.86 -28948704.80 -28948704.74 0.3775 0.3025

Mercury -83965-04-22 11:16 J -28946681.12 -28946681.03 -28946680.94 0.3771 0.2184

Mercury -83960-11-06 05:44 J -28944657.36 -28944657.26 -28944657.15 0.3768 0.1308

Mercury -83954-05-23 00:28 J -28942633.59 -28942633.48 -28942633.36 0.3764 0.0428

Mercury -83950-05-21 21:20 J -28941173.62 -28941173.61 -28941173.60 0.3605 0.3583

Mercury -83949-12-05 19:25 J -28940609.80 -28940609.69 -28940609.57 0.3760 0.0533

Mercury -83945-12-04 22:04 J -28939149.69 -28939149.58 -28939149.48 0.3608 0.2283

Mercury -83943-06-21 14:52 J -28938585.99 -28938585.88 -28938585.78 0.3756 0.1469

Mercury -83939-06-20 21:49 J -28937125.71 -28937125.59 -28937125.46 0.3612 0.1047

Mercury -83937-01-05 10:18 J -28936562.16 -28936562.07 -28936561.99 0.3752 0.2443

Mercury -83933-01-04 21:35 J -28935101.73 -28935101.60 -28935101.47 0.3616 0.0163

Mercury -83932-07-21 05:59 J -28934538.29 -28934538.25 -28934538.21 0.3748 0.3450

Mercury -83928-07-20 20:37 J -28933077.76 -28933077.64 -28933077.52 0.3620 0.1305

Mercury -83922-02-03 19:25 J -28931053.78 -28931053.69 -28931053.59 0.3624 0.2410

Mercury -83920-10-28 20:37 J -28930055.66 -28930055.64 -28930055.61 0.3777 0.3622

Mercury -83917-08-19 17:44 J -28929029.79 -28929029.76 -28929029.72 0.3629 0.3463

Mercury -83914-05-14 14:52 J -28928031.95 -28928031.88 -28928031.80 0.3774 0.2797

Mercury -83909-11-27 09:20 J -28926008.20 -28926008.11 -28926008.01 0.3770 0.1944

Mercury -83903-06-13 04:04 J -28923984.44 -28923984.33 -28923984.22 0.3767 0.1058

Mercury -83898-12-27 22:47 J -28921960.66 -28921960.55 -28921960.43 0.3763 0.0175

Mercury -83894-12-26 21:20 J -28920500.67 -28920500.61 -28920500.55 0.3606 0.3219

Mercury -83892-07-12 17:59 J -28919936.86 -28919936.75 -28919936.64 0.3759 0.0783

Mercury -83888-07-11 21:35 J -28918476.71 -28918476.60 -28918476.49 0.3609 0.1939

Mercury -83886-01-26 13:11 J -28917913.05 -28917912.95 -28917912.85 0.3755 0.1743

Mercury -83882-01-25 21:35 J -28916452.73 -28916452.60 -28916452.47 0.3613 0.0701

Mercury -83881-08-11 08:52 J -28915889.21 -28915889.13 -28915889.06 0.3751 0.2733

Mercury -83877-08-10 21:06 J -28914428.75 -28914428.62 -28914428.49 0.3617 0.0491

Mercury -83871-02-24 20:08 J -28912404.78 -28912404.66 -28912404.55 0.3621 0.1627

Mercury -83866-09-10 18:56 J -28910380.80 -28910380.71 -28910380.63 0.3625 0.2722

Mercury -83863-06-04 18:56 J -28909382.76 -28909382.71 -28909382.67 0.3776 0.3397

Mercury -83858-12-19 13:11 J -28907359.03 -28907358.95 -28907358.87 0.3773 0.2565

Mercury -83852-07-04 07:40 J -28905335.28 -28905335.18 -28905335.08 0.3770 0.1699

Mercury -83846-01-18 02:23 J -28903311.51 -28903311.40 -28903311.29 0.3766 0.0815

Mercury -83841-08-02 21:20 J -28901287.73 -28901287.61 -28901287.50 0.3762 0.0191

Mercury -83837-08-01 21:06 J -28899827.70 -28899827.62 -28899827.54 0.3606 0.2867

Mercury -83835-02-16 16:18 J -28899263.93 -28899263.82 -28899263.71 0.3758 0.1053

Mercury -83831-02-15 21:20 J -28897803.73 -28897803.61 -28897803.49 0.3610 0.1591

Mercury -83830-09-02 11:44 J -28897240.11 -28897240.01 -28897239.91 0.3754 0.2027

Mercury -83826-09-01 21:20 J -28895779.75 -28895779.61 -28895779.48 0.3614 0.0380

Mercury -83824-03-18 07:25 J -28895216.26 -28895216.19 -28895216.13 0.3749 0.3027

Mercury -83820-03-17 20:37 J -28893755.77 -28893755.64 -28893755.51 0.3618 0.0818

Mercury -83815-10-01 19:40 J -28891731.79 -28891731.68 -28891731.58 0.3622 0.1952

Mercury -83809-04-16 18:13 J -28889707.81 -28889707.74 -28889707.68 0.3627 0.3029

Mercury -83806-01-09 17:01 J -28888709.85 -28888709.79 -28888709.73 0.3775 0.3173

Mercury -83801-07-25 11:16 J -28886686.11 -28886686.03 -28886685.94 0.3772 0.2330

Mercury -83795-02-08 05:59 J -28884662.36 -28884662.25 -28884662.15 0.3768 0.1458

Mercury -83790-08-25 00:42 J -28882638.58 -28882638.47 -28882638.36 0.3765 0.0558

Mercury -83784-03-09 19:40 J -28880614.79 -28880614.68 -28880614.57 0.3761 0.0378

Mercury -83780-03-08 20:52 J -28879154.72 -28879154.63 -28879154.53 0.3607 0.2509

Mercury -83779-09-23 14:52 J -28878590.99 -28878590.88 -28878590.78 0.3757 0.1331

Mercury -83775-09-22 21:06 J -28877130.74 -28877130.62 -28877130.49 0.3611 0.1239

Mercury -83773-04-08 10:18 J -28876567.16 -28876567.07 -28876566.98 0.3753 0.2316

Mercury -83769-04-07 20:52 J -28875106.76 -28875106.63 -28875106.50 0.3615 0.0043

Mercury -83768-10-23 05:59 J -28874543.30 -28874543.25 -28874543.20 0.3748 0.3325

Mercury -83764-10-22 20:08 J -28873082.79 -28873082.66 -28873082.54 0.3619 0.1150

Mercury -83758-05-08 18:56 J -28871058.81 -28871058.71 -28871058.61 0.3624 0.2270

Mercury -83755-01-30 20:52 J -28870060.63 -28870060.63 -28870060.62 0.3778 0.3774

Mercury -83753-11-21 17:30 J -28869034.82 -28869034.77 -28869034.73 0.3628 0.3338

Mercury -83750-08-16 15:06 J -28868036.93 -28868036.87 -28868036.80 0.3774 0.2943

Mercury -83744-03-01 09:35 J -28866013.19 -28866013.10 -28866013.01 0.3771 0.2087

Mercury -83739-09-15 04:18 J -28863989.43 -28863989.32 -28863989.22 0.3767 0.1210

Mercury -83733-03-30 23:01 J -28861965.65 -28861965.54 -28861965.43 0.3764 0.0289

Mercury -83729-03-29 20:23 J -28860505.68 -28860505.65 -28860505.61 0.3605 0.3451

Mercury -83728-10-14 17:59 J -28859941.86 -28859941.75 -28859941.63 0.3760 0.0657

Mercury -83724-10-13 20:52 J -28858481.74 -28858481.63 -28858481.52 0.3608 0.2145

Mercury -83722-04-30 13:25 J -28857918.05 -28857917.94 -28857917.84 0.3756 0.1620

Mercury -83718-04-29 20:52 J -28856457.76 -28856457.63 -28856457.50 0.3612 0.0887

Mercury -83717-11-13 08:52 J -28855894.21 -28855894.13 -28855894.05 0.3751 0.2610

Mercury -83713-11-12 20:23 J -28854433.78 -28854433.65 -28854433.52 0.3616 0.0317

Mercury -83711-05-30 04:32 J -28853870.33 -28853870.31 -28853870.28 0.3747 0.3632

Mercury -83707-05-29 19:40 J -28852409.80 -28852409.68 -28852409.56 0.3621 0.1478

Mercury -83702-12-13 18:13 J -28850385.82 -28850385.74 -28850385.65 0.3625 0.2588

Mercury -83699-09-06 19:11 J -28849387.74 -28849387.70 -28849387.67 0.3777 0.3544

Mercury -83693-03-22 13:25 J -28847364.02 -28847363.94 -28847363.87 0.3773 0.2704

Mercury -83688-10-06 07:54 J -28845340.27 -28845340.17 -28845340.07 0.3770 0.1839

Mercury -83682-04-22 02:37 J -28843316.50 -28843316.39 -28843316.29 0.3766 0.0951

Mercury -83677-11-04 21:20 J -28841292.72 -28841292.61 -28841292.49 0.3763 0.0098

Mercury -83673-11-03 20:23 J -28839832.72 -28839832.65 -28839832.58 0.3606 0.3084

Mercury -83671-05-21 16:32 J -28839268.92 -28839268.81 -28839268.70 0.3759 0.0926

Mercury -83667-05-20 20:37 J -28837808.76 -28837808.64 -28837808.52 0.3610 0.1788

Mercury -83666-12-05 11:44 J -28837245.11 -28837245.01 -28837244.91 0.3755 0.1903

Mercury -83662-12-04 20:37 J -28835784.77 -28835784.64 -28835784.51 0.3613 0.0545

Mercury -83660-06-20 07:25 J -28835221.26 -28835221.19 -28835221.12 0.3750 0.2907

Mercury -83656-06-19 19:54 J -28833760.80 -28833760.67 -28833760.54 0.3618 0.0647

Mercury -83650-01-03 18:56 J -28831736.82 -28831736.71 -28831736.59 0.3622 0.1804

Mercury -83645-07-19 17:30 J -28829712.84 -28829712.77 -28829712.69 0.3626 0.2892

Mercury -83642-04-13 17:16 J -28828714.83 -28828714.78 -28828714.73 0.3776 0.3313

Mercury -83637-10-27 11:30 J -28826691.10 -28826691.02 -28826690.93 0.3773 0.2470

Mercury -83631-05-13 06:13 J -28824667.34 -28824667.24 -28824667.14 0.3769 0.1592

Mercury -83626-11-27 00:56 J -28822643.57 -28822643.46 -28822643.35 0.3765 0.0701

Mercury -83620-06-11 19:54 J -28820619.79 -28820619.67 -28820619.56 0.3761 0.0287

Mercury -83616-06-10 20:08 J -28819159.75 -28819159.66 -28819159.57 0.3607 0.2723

Mercury -83615-12-26 14:52 J -28818595.99 -28818595.88 -28818595.77 0.3758 0.1200

Mercury -83611-12-25 20:23 J -28817135.77 -28817135.65 -28817135.53 0.3611 0.1431

Mercury -83609-07-11 10:18 J -28816572.16 -28816572.07 -28816571.98 0.3753 0.2190

Mercury -83605-07-10 20:08 J -28815111.80 -28815111.66 -28815111.53 0.3615 0.0231

Mercury -83603-01-25 05:59 J -28814548.31 -28814548.25 -28814548.19 0.3749 0.3203

Mercury -83599-01-24 19:25 J -28813087.82 -28813087.69 -28813087.56 0.3619 0.0984

Mercury -83594-08-10 18:13 J -28811063.84 -28811063.74 -28811063.63 0.3623 0.2119

Mercury -83588-02-23 16:47 J -28809039.85 -28809039.80 -28809039.74 0.3627 0.3207

Mercury -83586-11-18 15:35 J -28808041.92 -28808041.85 -28808041.79 0.3775 0.3087

Mercury -83580-06-03 09:49 J -28806018.18 -28806018.09 -28806018.00 0.3772 0.2222

Mercury -83575-12-18 04:18 J -28803994.42 -28803994.32 -28803994.21 0.3768 0.1344

Mercury -83569-07-02 23:16 J -28801970.65 -28801970.53 -28801970.42 0.3764 0.0436

Mercury -83563-01-16 18:13 J -28799946.86 -28799946.74 -28799946.63 0.3760 0.0528

Mercury -83559-01-15 19:54 J -28798486.77 -28798486.67 -28798486.57 0.3608 0.2360

Mercury -83558-08-02 13:25 J -28797923.05 -28797922.94 -28797922.84 0.3756 0.1486

Mercury -83554-08-01 19:54 J -28796462.79 -28796462.67 -28796462.54 0.3612 0.1093

Mercury -83552-02-15 08:52 J -28795899.22 -28795899.13 -28795899.05 0.3752 0.2480

Mercury -83548-02-14 19:40 J -28794438.81 -28794438.68 -28794438.55 0.3616 0.0141

Mercury -83547-09-01 04:32 J -28793875.35 -28793875.31 -28793875.27 0.3748 0.3507

Mercury -83543-08-31 18:56 J -28792414.83 -28792414.71 -28792414.59 0.3620 0.1315

Mercury -83537-03-16 17:44 J -28790390.86 -28790390.76 -28790390.67 0.3624 0.2440

Mercury -83535-12-09 19:25 J -28789392.71 -28789392.69 -28789392.67 0.3778 0.3691

Mercury -83532-09-30 16:04 J -28788366.85 -28788366.83 -28788366.80 0.3628 0.3523

Mercury -83529-06-24 13:40 J -28787369.00 -28787368.93 -28787368.86 0.3774 0.2846

Mercury -83523-01-08 08:08 J -28785345.26 -28785345.16 -28785345.07 0.3771 0.1984

Mercury -83518-07-25 02:37 J -28783321.50 -28783321.39 -28783321.28 0.3767 0.1086

Mercury -83512-02-06 21:35 J -28781297.72 -28781297.60 -28781297.49 0.3763 0.0199

Mercury -83508-02-05 19:25 J -28779837.74 -28779837.69 -28779837.64 0.3605 0.3314

Mercury -83507-08-23 16:32 J -28779273.92 -28779273.81 -28779273.70 0.3759 0.0792

Mercury -83503-08-22 19:40 J -28777813.79 -28777813.68 -28777813.56 0.3609 0.2000

Mercury -83501-03-08 11:44 J -28777250.11 -28777250.01 -28777249.91 0.3755 0.1776

Mercury -83497-03-07 19:40 J -28775789.81 -28775789.68 -28775789.55 0.3613 0.0733

Mercury -83496-09-22 07:25 J -28775226.27 -28775226.19 -28775226.12 0.3751 0.2782

Mercury -83492-09-21 19:11 J -28773765.83 -28773765.70 -28773765.57 0.3617 0.0492

Mercury -83486-04-07 18:28 J -28771741.85 -28771741.73 -28771741.62 0.3621 0.1651

Mercury -83481-10-21 17:01 J -28769717.87 -28769717.79 -28769717.71 0.3625 0.2765

Mercury -83478-07-16 17:30 J -28768719.81 -28768719.77 -28768719.73 0.3777 0.3461

Mercury -83472-01-29 11:44 J -28766696.09 -28766696.01 -28766695.93 0.3773 0.2611

Mercury -83467-08-15 06:13 J -28764672.34 -28764672.24 -28764672.14 0.3770 0.1732

Mercury -83461-02-29 00:56 J -28762648.57 -28762648.46 -28762648.35 0.3766 0.0826

Mercury -83456-09-13 19:54 J -28760624.78 -28760624.67 -28760624.56 0.3762 0.0114

Mercury -83452-09-12 19:11 J -28759164.77 -28759164.70 -28759164.62 0.3606 0.2939

Mercury -83450-03-30 15:06 J -28758600.98 -28758600.87 -28758600.76 0.3758 0.1083

Mercury -83446-03-29 19:40 J -28757140.80 -28757140.68 -28757140.57 0.3610 0.1638

Mercury -83445-10-13 10:18 J -28756577.16 -28756577.07 -28756576.97 0.3754 0.2068

Mercury -83441-10-12 19:25 J -28755116.82 -28755116.69 -28755116.56 0.3614 0.0383

Mercury -83439-04-29 05:59 J -28754553.31 -28754553.25 -28754553.19 0.3750 0.3088

Mercury -83435-04-28 18:56 J -28753092.84 -28753092.71 -28753092.59 0.3618 0.0835

Mercury -83430-11-12 17:44 J -28751068.87 -28751068.76 -28751068.65 0.3622 0.1978

Mercury -83424-05-28 16:18 J -28749044.88 -28749044.82 -28749044.75 0.3626 0.3089

Mercury -83421-02-20 15:49 J -28748046.90 -28748046.84 -28748046.79 0.3776 0.3230

Mercury -83416-09-05 10:04 J -28746023.17 -28746023.08 -28746022.99 0.3772 0.2361

Mercury -83410-03-22 04:32 J -28743999.41 -28743999.31 -28743999.21 0.3769 0.1474

Mercury -83405-10-04 23:16 J -28741975.64 -28741975.53 -28741975.42 0.3765 0.0565

Mercury -83399-04-20 18:13 J -28739951.85 -28739951.74 -28739951.62 0.3761 0.0402

Mercury -83395-04-19 19:11 J -28738491.79 -28738491.70 -28738491.61 0.3607 0.2565

Mercury -83394-11-04 13:25 J -28737928.04 -28737927.94 -28737927.83 0.3757 0.1367

Mercury -83390-11-03 19:11 J -28736467.82 -28736467.70 -28736467.57 0.3611 0.1276

Mercury -83388-05-20 08:52 J -28735904.22 -28735904.13 -28735904.04 0.3753 0.2364

Mercury -83384-05-19 18:56 J -28734443.84 -28734443.71 -28734443.57 0.3615 0.0076

Mercury -83383-12-04 04:32 J -28733880.36 -28733880.31 -28733880.26 0.3749 0.3393

Mercury -83379-12-03 18:13 J -28732419.86 -28732419.74 -28732419.61 0.3619 0.1170

Mercury -83373-06-18 17:01 J -28730395.88 -28730395.79 -28730395.69 0.3623 0.2308

Mercury -83367-01-02 15:35 J -28728371.89 -28728371.85 -28728371.80 0.3628 0.3407

Mercury -83365-09-26 13:54 J -28727373.99 -28727373.92 -28727373.85 0.3775 0.2987

Mercury -83359-04-12 08:23 J -28725350.24 -28725350.15 -28725350.06 0.3771 0.2115

Mercury -83354-10-27 02:52 J -28723326.48 -28723326.38 -28723326.27 0.3768 0.1214

Mercury -83348-05-11 21:35 J -28721302.71 -28721302.60 -28721302.48 0.3764 0.0317

Mercury -83344-05-10 18:28 J -28719842.75 -28719842.73 -28719842.71 0.3604 0.3529

Mercury -83343-11-25 16:47 J -28719278.92 -28719278.80 -28719278.69 0.3760 0.0678

Mercury -83339-11-24 18:56 J -28717818.81 -28717818.71 -28717818.60 0.3608 0.2196

Mercury -83337-06-10 11:59 J -28717255.10 -28717255.00 -28717254.90 0.3756 0.1654

Mercury -83333-06-09 18:56 J -28715794.84 -28715794.71 -28715794.58 0.3612 0.0918

Mercury -83332-12-25 07:25 J -28715231.27 -28715231.19 -28715231.11 0.3752 0.2662

Mercury -83328-12-24 18:42 J -28713770.86 -28713770.72 -28713770.59 0.3616 0.0336

Mercury -83326-07-11 03:06 J -28713207.38 -28713207.37 -28713207.35 0.3747 0.3706

Mercury -83322-07-10 17:44 J -28711746.88 -28711746.76 -28711746.64 0.3620 0.1495

Mercury -83316-01-23 16:32 J -28709722.90 -28709722.81 -28709722.72 0.3625 0.2632

Mercury -83314-10-18 17:44 J -28708724.79 -28708724.76 -28708724.73 0.3777 0.3602

Mercury -83308-05-03 12:13 J -28706701.07 -28706700.99 -28706700.92 0.3774 0.2747

Mercury -83303-11-17 06:28 J -28704677.32 -28704677.23 -28704677.13 0.3770 0.1865

Mercury -83297-06-02 01:11 J -28702653.56 -28702653.45 -28702653.34 0.3767 0.0950

Mercury -83292-12-16 19:54 J -28700629.78 -28700629.67 -28700629.55 0.3763 0.0140

Mercury -83288-12-15 18:28 J -28699169.80 -28699169.73 -28699169.67 0.3606 0.3152

Mercury -83286-07-02 15:06 J -28698605.98 -28698605.87 -28698605.76 0.3759 0.0954

Mercury -83282-07-01 18:42 J -28697145.84 -28697145.72 -28697145.61 0.3609 0.1837

Mercury -83280-01-15 10:18 J -28696582.16 -28696582.07 -28696581.97 0.3755 0.1944

Mercury -83276-01-14 18:42 J -28695121.86 -28695121.72 -28695121.59 0.3613 0.0567

Mercury -83275-08-01 05:59 J -28694558.32 -28694558.25 -28694558.18 0.3751 0.2967

Mercury -83271-07-31 17:59 J -28693097.88 -28693097.75 -28693097.62 0.3617 0.0664

Mercury -83265-02-14 17:01 J -28691073.90 -28691073.79 -28691073.67 0.3621 0.1836

Mercury -83260-08-30 15:49 J -28689049.91 -28689049.84 -28689049.77 0.3626 0.2955

Mercury -83257-05-24 16:04 J -28688051.88 -28688051.83 -28688051.78 0.3776 0.3363

Mercury -83252-12-08 10:18 J -28686028.15 -28686028.07 -28686027.99 0.3773 0.2501

Mercury -83246-06-24 04:47 J -28684004.40 -28684004.30 -28684004.20 0.3769 0.1605

Mercury -83240-01-06 23:30 J -28681980.63 -28681980.52 -28681980.41 0.3766 0.0689

Mercury -83235-07-23 18:28 J -28679956.85 -28679956.73 -28679956.62 0.3762 0.0275

Mercury -83231-07-22 18:13 J -28678496.83 -28678496.74 -28678496.66 0.3606 0.2782

Mercury -83229-02-06 13:25 J -28677933.04 -28677932.94 -28677932.83 0.3758 0.1246

Mercury -83225-02-05 18:28 J -28676472.85 -28676472.73 -28676472.61 0.3610 0.1468

Mercury -83224-08-22 08:52 J -28675909.22 -28675909.13 -28675909.04 0.3754 0.2244

Mercury -83220-08-21 18:13 J -28674448.87 -28674448.74 -28674448.61 0.3614 0.0207

Mercury -83218-03-08 04:32 J -28673885.36 -28673885.31 -28673885.26 0.3749 0.3274

Mercury -83214-03-07 17:30 J -28672424.89 -28672424.77 -28672424.64 0.3618 0.1009

Mercury -83209-09-20 16:32 J -28670400.91 -28670400.81 -28670400.70 0.3622 0.2171

Mercury -83203-04-06 15:06 J -28668376.92 -28668376.87 -28668376.82 0.3627 0.3279

Mercury -83201-12-29 14:08 J -28667378.97 -28667378.91 -28667378.85 0.3775 0.3126

Mercury -83195-07-15 08:37 J -28665355.23 -28665355.14 -28665355.06 0.3772 0.2253

Mercury -83189-01-29 03:06 J -28663331.48 -28663331.37 -28663331.27 0.3768 0.1347

Mercury -83184-08-13 21:49 J -28661307.70 -28661307.59 -28661307.48 0.3765 0.0417

Mercury -83178-02-27 16:47 J -28659283.91 -28659283.80 -28659283.69 0.3761 0.0542

Mercury -83174-02-26 17:59 J -28657823.85 -28657823.75 -28657823.65 0.3607 0.2406

Mercury -83173-09-12 11:59 J -28657260.10 -28657260.00 -28657259.90 0.3757 0.1532

Mercury -83169-09-11 18:13 J -28655799.87 -28655799.74 -28655799.61 0.3611 0.1102

Mercury -83167-03-29 07:25 J -28655236.27 -28655236.19 -28655236.11 0.3752 0.2549

Mercury -83163-03-28 17:44 J -28653775.89 -28653775.76 -28653775.62 0.3615 0.0188

Mercury -83162-10-13 03:06 J -28653212.40 -28653212.37 -28653212.34 0.3748 0.3590

Mercury -83158-10-12 17:01 J -28651751.91 -28651751.79 -28651751.67 0.3619 0.1356

Mercury -83152-04-27 16:04 J -28649727.93 -28649727.83 -28649727.74 0.3624 0.2506

Mercury -83149-01-20 17:59 J -28648729.76 -28648729.75 -28648729.73 0.3778 0.3744

Mercury -83147-11-11 14:23 J -28647703.91 -28647703.90 -28647703.89 0.3628 0.3603

Mercury -83144-08-05 12:13 J -28646706.06 -28646705.99 -28646705.92 0.3775 0.2886

Mercury -83138-02-19 06:42 J -28644682.31 -28644682.22 -28644682.13 0.3771 0.1999

Mercury -83133-09-04 01:25 J -28642658.55 -28642658.44 -28642658.34 0.3767 0.1086

Mercury -83127-03-20 20:08 J -28640634.77 -28640634.66 -28640634.55 0.3764 0.0142

Mercury -83123-03-19 17:30 J -28639174.82 -28639174.77 -28639174.73 0.3605 0.3377

Mercury -83122-10-04 15:06 J -28638610.98 -28638610.87 -28638610.76 0.3759 0.0839

Mercury -83118-10-03 17:59 J -28637150.87 -28637150.75 -28637150.64 0.3609 0.2030

Mercury -83116-04-19 10:32 J -28636587.16 -28636587.06 -28636586.96 0.3756 0.1832

Mercury -83112-04-18 17:59 J -28635126.88 -28635126.75 -28635126.62 0.3612 0.0743

Mercury -83111-11-03 05:59 J -28634563.32 -28634563.25 -28634563.18 0.3751 0.2856

Mercury -83107-11-02 17:30 J -28633102.90 -28633102.77 -28633102.64 0.3616 0.0514

Mercury -83101-05-18 16:32 J -28631078.92 -28631078.81 -28631078.69 0.3621 0.1700

Mercury -83096-12-02 15:20 J -28629054.94 -28629054.86 -28629054.78 0.3625 0.2834

Mercury -83093-08-26 16:18 J -28628056.86 -28628056.82 -28628056.78 0.3777 0.3502

Mercury -83087-03-12 10:32 J -28626033.14 -28626033.06 -28626032.98 0.3773 0.2635

Mercury -83082-09-26 05:01 J -28624009.39 -28624009.29 -28624009.19 0.3770 0.1738

Mercury -83076-04-10 23:44 J -28621985.62 -28621985.51 -28621985.40 0.3766 0.0817

Mercury -83071-10-25 18:28 J -28619961.84 -28619961.73 -28619961.61 0.3762 0.0194

Mercury -83067-10-24 17:16 J -28618501.85 -28618501.78 -28618501.70 0.3606 0.2989

Mercury -83065-05-10 13:40 J -28617938.04 -28617937.93 -28617937.82 0.3758 0.1122

Mercury -83061-05-09 17:44 J -28616477.88 -28616477.76 -28616477.64 0.3610 0.1654

Mercury -83060-11-24 09:06 J -28615914.22 -28615914.12 -28615914.03 0.3754 0.2136

Mercury -83056-11-23 17:30 J -28614453.90 -28614453.77 -28614453.64 0.3613 0.0377

Mercury -83054-06-10 04:32 J -28613890.37 -28613890.31 -28613890.25 0.3750 0.3167

Mercury -83050-06-09 17:01 J -28612429.92 -28612429.79 -28612429.67 0.3618 0.0858

Mercury -83045-12-23 16:04 J -28610405.94 -28610405.83 -28610405.72 0.3622 0.2039

Mercury -83039-07-09 14:37 J -28608381.95 -28608381.89 -28608381.83 0.3626 0.3159

Mercury -83036-04-02 14:23 J -28607383.95 -28607383.90 -28607383.84 0.3776 0.3258

Mercury -83031-10-17 08:52 J -28605360.22 -28605360.13 -28605360.05 0.3772 0.2385

Mercury -83025-05-02 03:20 J -28603336.47 -28603336.36 -28603336.26 0.3769 0.1475

Mercury -83020-11-15 22:04 J -28601312.69 -28601312.58 -28601312.47 0.3765 0.0547

Mercury -83014-06-01 17:01 J -28599288.91 -28599288.79 -28599288.68 0.3761 0.0437

Mercury -83010-05-31 17:16 J -28597828.87 -28597828.78 -28597828.69 0.3607 0.2606

Mercury -83009-12-15 11:59 J -28597265.10 -28597265.00 -28597264.89 0.3758 0.1417

Mercury -83005-12-14 17:30 J -28595804.90 -28595804.77 -28595804.65 0.3611 0.1281

Mercury -83003-07-01 07:25 J -28595241.27 -28595241.19 -28595241.10 0.3753 0.2440

83RD MILLENNIUM BCE

This is a list of transits visible from Venus in the 83rd millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-82999-06-30 17:01 J	-28593780.92	-28593780.79	-28593780.65	0.3615	0.0092		
Mercury	-82997-01-15 03:06 J	-28593217.41	-28593217.37	-28593217.33	0.3749	0.3480		
Mercury	-82993-01-14 16:32 J	-28591756.94	-28591756.81	-28591756.69	0.3619	0.1210		
Mercury	-82988-07-30 15:20 J	-28589732.96	-28589732.86	-28589732.76	0.3623	0.2370		
Mercury	-82982-02-13 13:54 J	-28587708.95	-28587708.92	-28587708.89	0.3627	0.3489		
Mercury	-82980-11-07 12:42 J	-28586711.04	-28586710.97	-28586710.91	0.3775	0.3014		
Mercury	-82974-05-24 06:56 J	-28584687.30	-28584687.21	-28584687.12	0.3772	0.2125		
Mercury	-82969-12-07 01:40 J	-28582663.54	-28582663.43	-28582663.33	0.3768	0.1218		
Mercury	-82963-06-22 20:23 J	-28580639.76	-28580639.65	-28580639.54	0.3764	0.0261		

Mercury -82959-06-21 16:32 J -28579179.82 -28579179.81 -28579179.81 0.3604 0.3594

Mercury -82957-01-06 15:20 J -28578615.97 -28578615.86 -28578615.75 0.3760 0.0711

Mercury -82953-01-05 17:01 J -28577155.89 -28577155.79 -28577155.68 0.3608 0.2223

Mercury -82952-07-22 10:32 J -28576592.16 -28576592.06 -28576591.96 0.3756 0.1714

Mercury -82948-07-21 17:01 J -28575131.92 -28575131.79 -28575131.66 0.3612 0.0919

Mercury -82946-02-05 05:59 J -28574568.33 -28574568.25 -28574568.17 0.3752 0.2743

Mercury -82942-02-04 16:47 J -28573107.93 -28573107.80 -28573107.67 0.3616 0.0352

Mercury -82937-08-20 15:49 J -28571083.95 -28571083.84 -28571083.72 0.3620 0.1554

Mercury -82931-03-06 14:37 J -28569059.97 -28569059.89 -28569059.80 0.3624 0.2709

Mercury -82929-11-28 16:32 J -28568061.83 -28568061.81 -28568061.78 0.3778 0.3637

Mercury -82923-06-14 10:47 J -28566038.12 -28566038.05 -28566037.97 0.3774 0.2762

Mercury -82918-12-29 05:16 J -28564014.38 -28564014.28 -28564014.19 0.3771 0.1869

Mercury -82912-07-13 23:44 J -28561990.61 -28561990.51 -28561990.40 0.3767 0.0947

Mercury -82906-01-27 18:42 J -28559966.83 -28559966.72 -28559966.61 0.3763 0.0057

Mercury -82902-01-26 16:18 J -28558506.88 -28558506.82 -28558506.76 0.3605 0.3203

Mercury -82901-08-12 13:40 J -28557943.04 -28557942.93 -28557942.82 0.3759 0.1002

Mercury -82897-08-11 16:47 J -28556482.92 -28556482.80 -28556482.69 0.3609 0.1852

Mercury -82895-02-26 09:06 J -28555919.22 -28555919.12 -28555919.03 0.3755 0.2017

Mercury -82891-02-25 16:47 J -28554458.93 -28554458.80 -28554458.67 0.3613 0.0554

Mercury -82890-09-12 04:32 J -28553895.38 -28553895.31 -28553895.25 0.3751 0.3056

Mercury -82886-09-11 16:18 J -28552434.95 -28552434.82 -28552434.69 0.3617 0.0702

Mercury -82880-03-27 15:20 J -28550410.97 -28550410.86 -28550410.75 0.3621 0.1898

Mercury -82875-10-11 14:08 J -28548386.98 -28548386.91 -28548386.84 0.3625 0.3049

Mercury -82872-07-05 14:37 J -28547388.93 -28547388.89 -28547388.84 0.3777 0.3395

Mercury -82866-01-19 08:52 J -28545365.21 -28545365.13 -28545365.04 0.3773 0.2517

Mercury -82861-08-04 03:20 J -28543341.46 -28543341.36 -28543341.26 0.3770 0.1609

Mercury -82855-02-17 22:04 J -28541317.69 -28541317.58 -28541317.47 0.3766 0.0671

Mercury -82850-09-03 17:01 J -28539293.90 -28539293.79 -28539293.68 0.3762 0.0303

Mercury -82846-09-02 16:18 J -28537833.90 -28537833.82 -28537833.74 0.3606 0.2813

Mercury -82844-03-19 12:13 J -28537270.10 -28537269.99 -28537269.89 0.3758 0.1301

Mercury -82840-03-18 16:32 J -28535809.93 -28535809.81 -28535809.69 0.3610 0.1471

Mercury -82839-10-03 07:25 J -28535246.28 -28535246.19 -28535246.10 0.3754 0.2327

Mercury -82835-10-02 16:18 J -28533785.95 -28533785.82 -28533785.68 0.3614 0.0211

Mercury -82833-04-18 03:06 J -28533222.42 -28533222.37 -28533222.32 0.3750 0.3379

Mercury -82829-04-17 15:49 J -28531761.97 -28531761.84 -28531761.71 0.3618 0.1059

Mercury -82824-11-01 14:52 J -28529737.98 -28529737.88 -28529737.78 0.3622 0.2247

Mercury -82818-05-18 13:25 J -28527713.98 -28527713.94 -28527713.90 0.3626 0.3385

Mercury -82815-02-09 12:56 J -28526716.02 -28526715.96 -28526715.91 0.3776 0.3152

Mercury -82810-08-26 07:11 J -28524692.29 -28524692.20 -28524692.11 0.3772 0.2254

Mercury -82804-03-11 01:40 J -28522668.53 -28522668.43 -28522668.32 0.3769 0.1338

Mercury -82799-09-24 20:23 J -28520644.76 -28520644.65 -28520644.53 0.3765 0.0405

Mercury -82793-04-09 15:20 J -28518620.97 -28518620.86 -28518620.74 0.3761 0.0605

Mercury -82789-04-08 16:04 J -28517160.92 -28517160.83 -28517160.73 0.3607 0.2427

Mercury -82788-10-24 10:32 J -28516597.16 -28516597.06 -28516596.95 0.3757 0.1604

Mercury -82784-10-23 16:18 J -28515136.95 -28515136.82 -28515136.69 0.3611 0.1091

Mercury -82782-05-10 05:59 J -28514573.33 -28514573.25 -28514573.17 0.3753 0.2638

Mercury -82778-05-09 16:04 J -28513112.96 -28513112.83 -28513112.70 0.3615 0.0191

Mercury -82777-11-23 01:40 J -28512549.44 -28512549.43 -28512549.41 0.3749 0.3705

Mercury -82773-11-22 15:20 J -28511088.98 -28511088.86 -28511088.74 0.3619 0.1416

Mercury -82767-06-08 14:08 J -28509065.00 -28509064.91 -28509064.82 0.3623 0.2591

Mercury -82764-03-02 16:47 J -28508066.80 -28508066.80 -28508066.80 0.3778 0.3773

Mercury -82759-09-16 11:01 J -28506043.11 -28506043.04 -28506042.97 0.3775 0.2896

Mercury -82753-04-01 05:30 J -28504019.37 -28504019.27 -28504019.18 0.3771 0.1993

Mercury -82748-10-15 23:59 J -28501995.61 -28501995.50 -28501995.39 0.3768 0.1063

Mercury -82742-05-01 18:56 J -28499971.83 -28499971.71 -28499971.60 0.3764 0.0162

Mercury -82738-04-30 15:35 J -28498511.89 -28498511.85 -28498511.81 0.3604 0.3404

Mercury -82737-11-14 13:54 J -28497948.03 -28497947.92 -28497947.81 0.3760 0.0892

Mercury -82733-11-13 16:04 J -28496487.94 -28496487.83 -28496487.72 0.3608 0.2037

Mercury -82731-05-31 09:06 J -28495924.22 -28495924.12 -28495924.02 0.3756 0.1908

Mercury -82727-05-30 16:04 J -28494463.96 -28494463.83 -28494463.70 0.3612 0.0714

Mercury -82726-12-15 04:32 J -28493900.38 -28493900.31 -28493900.24 0.3752 0.2953

Mercury -82722-12-14 15:35 J -28492439.98 -28492439.85 -28492439.72 0.3616 0.0562

Mercury -82716-06-29 14:37 J -28490416.00 -28490415.89 -28490415.77 0.3620 0.1769

Mercury -82710-01-13 13:40 J -28488392.01 -28488391.93 -28488391.86 0.3625 0.2938

Mercury -82708-10-07 15:06 J -28487393.91 -28487393.87 -28487393.84 0.3777 0.3528

Mercury -82702-04-23 09:20 J -28485370.19 -28485370.11 -28485370.04 0.3774 0.2639

Mercury -82697-11-06 03:49 J -28483346.44 -28483346.34 -28483346.25 0.3770 0.1730

Mercury -82691-05-22 22:18 J -28481322.68 -28481322.57 -28481322.46 0.3767 0.0785

Mercury -82686-12-06 17:16 J -28479298.90 -28479298.78 -28479298.67 0.3763 0.0209

Mercury -82682-12-05 15:35 J -28477838.93 -28477838.85 -28477838.78 0.3605 0.3013

Mercury -82680-06-21 12:13 J -28477275.09 -28477274.99 -28477274.88 0.3759 0.1197

Mercury -82676-06-20 15:49 J -28475814.96 -28475814.84 -28475814.72 0.3609 0.1656

Mercury -82674-01-05 07:40 J -28475251.28 -28475251.18 -28475251.09 0.3755 0.2218

Mercury -82670-01-04 15:35 J -28473790.98 -28473790.85 -28473790.71 0.3613 0.0361

Mercury -82669-07-21 03:06 J -28473227.42 -28473227.37 -28473227.31 0.3751 0.3276

Mercury -82665-07-20 15:06 J -28471767.00 -28471766.87 -28471766.74 0.3617 0.0911

Mercury -82659-02-03 14:08 J -28469743.01 -28469742.91 -28469742.80 0.3622 0.2117

Mercury -82654-08-20 12:42 J -28467719.02 -28467718.97 -28467718.91 0.3626 0.3271

Mercury -82651-05-14 13:11 J -28466721.00 -28466720.95 -28466720.90 0.3776 0.3275

Mercury -82646-11-28 07:25 J -28464697.27 -28464697.19 -28464697.10 0.3773 0.2379

Mercury -82640-06-13 01:54 J -28462673.52 -28462673.42 -28462673.32 0.3769 0.1455

Mercury -82635-12-27 20:37 J -28460649.75 -28460649.64 -28460649.53 0.3766 0.0505

Mercury -82629-07-12 15:35 J -28458625.96 -28458625.85 -28458625.74 0.3762 0.0482

Mercury -82625-07-11 15:06 J -28457165.96 -28457165.87 -28457165.77 0.3606 0.2628

Mercury -82623-01-26 10:47 J -28456602.16 -28456602.05 -28456601.95 0.3758 0.1496

Mercury -82619-01-25 15:35 J -28455141.98 -28455141.85 -28455141.73 0.3610 0.1273

Mercury -82618-08-12 05:59 J -28454578.33 -28454578.25 -28454578.16 0.3754 0.2529

Mercury -82614-08-11 15:20 J -28453118.00 -28453117.86 -28453117.73 0.3614 0.0124

Mercury -82612-02-25 01:40 J -28452554.46 -28452554.43 -28452554.40 0.3749 0.3596

Mercury -82608-02-24 14:37 J -28451094.01 -28451093.89 -28451093.77 0.3618 0.1273

Mercury -82603-09-10 13:40 J -28449070.03 -28449069.93 -28449069.84 0.3623 0.2468

Mercury -82597-03-26 12:13 J -28447046.00 -28447045.99 -28447045.99 0.3627 0.3610

Mercury -82595-12-19 11:16 J -28446048.09 -28446048.03 -28446047.97 0.3776 0.3027

Mercury -82589-07-04 05:44 J -28444024.35 -28444024.26 -28444024.17 0.3772 0.2118

Mercury -82583-01-18 00:13 J -28442000.60 -28442000.49 -28442000.39 0.3768 0.1183

Mercury -82578-08-03 18:56 J -28439976.82 -28439976.71 -28439976.60 0.3765 0.0219

Mercury -82572-02-16 13:54 J -28437953.03 -28437952.92 -28437952.81 0.3761 0.0776

Mercury -82568-02-15 15:06 J -28436492.98 -28436492.87 -28436492.77 0.3608 0.2231

Mercury -82567-09-02 09:06 J -28435929.22 -28435929.12 -28435929.02 0.3757 0.1797

Mercury -82563-09-01 15:06 J -28434469.00 -28434468.87 -28434468.74 0.3611 0.0896

Mercury -82561-03-18 04:32 J -28433905.38 -28433905.31 -28433905.23 0.3752 0.2847

Mercury -82557-03-17 14:52 J -28432445.01 -28432444.88 -28432444.75 0.3615 0.0399

Mercury -82552-10-01 14:08 J -28430421.03 -28430420.91 -28430420.79 0.3620 0.1635

Mercury -82546-04-17 12:56 J -28428397.04 -28428396.96 -28428396.88 0.3624 0.2817

Mercury -82543-01-09 15:20 J -28427398.89 -28427398.86 -28427398.84 0.3778 0.3659

Mercury -82538-07-26 09:35 J -28425375.18 -28425375.10 -28425375.03 0.3775 0.2771

Mercury -82532-02-08 03:49 J -28423351.43 -28423351.34 -28423351.24 0.3771 0.1851

Mercury -82527-08-24 22:32 J -28421327.67 -28421327.56 -28421327.45 0.3767 0.0906

Mercury -82521-03-09 17:16 J -28419303.89 -28419303.78 -28419303.67 0.3763 0.0083

Mercury -82517-03-08 14:23 J -28417843.96 -28417843.90 -28417843.84 0.3605 0.3222

Mercury -82516-09-23 12:28 J -28417280.09 -28417279.98 -28417279.88 0.3759 0.1087

Mercury -82512-09-22 14:52 J -28415819.99 -28415819.88 -28415819.76 0.3608 0.1835

Mercury -82510-04-09 07:40 J -28415256.28 -28415256.18 -28415256.09 0.3755 0.2112

Mercury -82506-04-08 14:52 J -28413796.01 -28413795.88 -28413795.75 0.3612 0.0508

Mercury -82505-10-23 03:06 J -28413232.43 -28413232.37 -28413232.31 0.3751 0.3173

Mercury -82501-10-22 14:23 J -28411772.03 -28411771.90 -28411771.77 0.3616 0.0776

Mercury -82495-05-08 13:40 J -28409748.04 -28409747.93 -28409747.82 0.3621 0.1998

Mercury -82490-11-22 12:13 J -28407724.05 -28407723.99 -28407723.93 0.3625 0.3167

Mercury -82487-08-16 13:25 J -28406725.99 -28406725.94 -28406725.90 0.3777 0.3407

Mercury -82481-03-01 07:40 J -28404702.26 -28404702.18 -28404702.10 0.3773 0.2506

Mercury -82476-09-15 02:08 J -28402678.51 -28402678.41 -28402678.31 0.3770 0.1575

Mercury -82470-03-31 20:52 J -28400654.74 -28400654.63 -28400654.52 0.3766 0.0621

Mercury -82465-10-14 15:35 J -28398630.96 -28398630.85 -28398630.73 0.3762 0.0400

Mercury -82461-10-13 14:23 J -28397170.98 -28397170.90 -28397170.82 0.3606 0.2814

Mercury -82459-04-30 10:47 J -28396607.15 -28396607.05 -28396606.94 0.3758 0.1386

Mercury -82455-04-29 14:37 J -28395147.01 -28395146.89 -28395146.76 0.3609 0.1447

Mercury -82454-11-14 06:13 J -28394583.33 -28394583.24 -28394583.16 0.3754 0.2433

Mercury -82450-11-13 14:37 J -28393123.03 -28393122.89 -28393122.76 0.3613 0.0138

Mercury -82448-05-30 01:40 J -28392559.46 -28392559.43 -28392559.39 0.3750 0.3505

Mercury -82444-05-29 13:54 J -28391099.04 -28391098.92 -28391098.79 0.3618 0.1150

Mercury -82439-12-13 12:56 J -28389075.05 -28389074.96 -28389074.86 0.3622 0.2358

Mercury -82433-06-28 11:30 J -28387051.04 -28387051.02 -28387050.99 0.3626 0.3510

Mercury -82430-03-23 11:30 J -28386053.08 -28386053.02 -28386052.96 0.3776 0.3150

Mercury -82425-10-06 05:59 J -28384029.34 -28384029.25 -28384029.17 0.3772 0.2241

Mercury -82419-04-22 00:28 J -28382005.59 -28382005.48 -28382005.38 0.3769 0.1296

Mercury -82414-11-05 19:11 J -28379981.81 -28379981.70 -28379981.59 0.3765 0.0329

Mercury -82408-05-21 14:08 J -28377958.02 -28377957.91 -28377957.80 0.3761 0.0672

Mercury -82404-05-20 14:23 J -28376498.00 -28376497.90 -28376497.80 0.3607 0.2413

Mercury -82403-12-05 09:20 J -28375934.22 -28375934.11 -28375934.01 0.3757 0.1699

Mercury -82399-12-04 14:23 J -28374474.03 -28374473.90 -28374473.77 0.3611 0.1057

Mercury -82397-06-20 04:32 J -28373910.38 -28373910.31 -28373910.23 0.3753 0.2756

Mercury -82393-06-19 14:08 J -28372450.04 -28372449.91 -28372449.78 0.3615 0.0250

Mercury -82387-01-03 13:25 J -28370426.05 -28370425.94 -28370425.82 0.3619 0.1513

Mercury -82382-07-20 12:28 J -28368402.07 -28368401.98 -28368401.90 0.3623 0.2705

Mercury -82374-10-28 09:49 J -28365380.16 -28365380.09 -28365380.02 0.3775 0.2889

Mercury -82368-05-13 04:04 J -28363356.42 -28363356.33 -28363356.23 0.3772 0.1969

Mercury -82363-11-26 22:47 J -28361332.66 -28361332.55 -28361332.45 0.3768 0.1023

Mercury -82357-06-11 17:30 J -28359308.88 -28359308.77 -28359308.66 0.3764 0.0038

Mercury -82353-06-10 13:40 J -28357848.97 -28357848.93 -28357848.90 0.3604 0.3425

Mercury -82352-12-26 12:28 J -28357285.09 -28357284.98 -28357284.87 0.3760 0.0968

Mercury -82348-12-25 14:08 J -28355825.02 -28355824.91 -28355824.80 0.3608 0.2012

Mercury -82346-07-12 07:40 J -28355261.27 -28355261.18 -28355261.08 0.3756 0.2013

Mercury -82342-07-11 14:08 J -28353801.04 -28353800.91 -28353800.78 0.3612 0.0676

Mercury -82340-01-25 03:06 J -28353237.43 -28353237.37 -28353237.30 0.3752 0.3073

Mercury -82336-01-24 13:40 J -28351777.06 -28351776.93 -28351776.80 0.3616 0.0635

Mercury -82331-08-10 12:56 J -28349753.07 -28349752.96 -28349752.85 0.3620 0.1866

Mercury -82325-02-24 11:44 J -28347729.08 -28347729.01 -28347728.94 0.3624 0.3055

Mercury -82323-11-18 13:40 J -28346730.96 -28346730.93 -28346730.89 0.3778 0.3529

Mercury -82317-06-03 07:54 J -28344707.25 -28344707.17 -28344707.09 0.3774 0.2625

Mercury -82312-12-18 02:23 J -28342683.50 -28342683.40 -28342683.30 0.3771 0.1695

Mercury -82306-07-03 21:06 J -28340659.73 -28340659.62 -28340659.51 0.3767 0.0740

Mercury -82300-01-16 15:49 J -28338635.95 -28338635.84 -28338635.73 0.3763 0.0259

Mercury -82296-01-15 13:25 J -28337176.01 -28337175.94 -28337175.86 0.3605 0.3012

Mercury -82295-08-02 10:47 J -28336612.15 -28336612.05 -28336611.94 0.3759 0.1282

Mercury -82291-08-01 13:54 J -28335152.04 -28335151.92 -28335151.80 0.3609 0.1630

Mercury -82289-02-16 06:13 J -28334588.33 -28334588.24 -28334588.15 0.3755 0.2328

Mercury -82285-02-15 13:40 J -28333128.06 -28333127.93 -28333127.79 0.3613 0.0310

Mercury -82284-09-01 01:40 J -28332564.47 -28332564.43 -28332564.38 0.3751 0.3404

Mercury -82280-08-31 13:11 J -28331104.07 -28331103.95 -28331103.82 0.3617 0.1003

Mercury -82274-03-17 12:28 J -28329080.09 -28329079.98 -28329079.88 0.3621 0.2234

Mercury -82269-09-30 11:01 J -28327056.08 -28327056.04 -28327056.00 0.3625 0.3412

Mercury -82266-06-25 11:44 J -28326058.06 -28326058.01 -28326057.95 0.3777 0.3274

Mercury -82260-01-08 05:59 J -28324034.33 -28324034.25 -28324034.16 0.3773 0.2366

Mercury -82255-07-25 00:42 J -28322010.58 -28322010.47 -28322010.37 0.3770 0.1420

Mercury -82249-02-07 19:11 J -28319986.81 -28319986.70 -28319986.58 0.3766 0.0460

Mercury -82244-08-23 14:08 J -28317963.02 -28317962.91 -28317962.80 0.3762 0.0561

Mercury -82240-08-22 13:25 J -28316503.04 -28316502.94 -28316502.85 0.3606 0.2610

Mercury -82238-03-09 09:20 J -28315939.21 -28315939.11 -28315939.01 0.3758 0.1589

Mercury -82234-03-08 13:40 J -28314479.06 -28314478.93 -28314478.81 0.3610 0.1231

Mercury -82233-09-22 04:32 J -28313915.38 -28313915.31 -28313915.22 0.3754 0.2656

Mercury -82229-09-21 13:25 J -28312455.07 -28312454.94 -28312454.81 0.3614 0.0108

Mercury -82227-04-08 00:13 J -28311891.49 -28311891.49 -28311891.48 0.3750 0.3743

Mercury -82223-04-07 12:42 J -28310431.09 -28310430.97 -28310430.84 0.3618 0.1380

Mercury -82218-10-22 11:44 J -28308407.10 -28308407.01 -28308406.92 0.3622 0.2598

Mercury -82209-01-30 10:04 J -28305385.15 -28305385.08 -28305385.02 0.3776 0.3014

Mercury -82204-08-15 04:18 J -28303361.41 -28303361.32 -28303361.23 0.3772 0.2087

Mercury -82198-02-28 22:47 J -28301337.65 -28301337.55 -28301337.44 0.3769 0.1139

Mercury -82193-09-13 17:30 J -28299313.88 -28299313.77 -28299313.65 0.3765 0.0216

Mercury -82187-03-30 12:28 J -28297290.09 -28297289.98 -28297289.86 0.3761 0.0881

Mercury -82183-03-29 13:11 J -28295830.06 -28295829.95 -28295829.84 0.3607 0.2203

Mercury -82182-10-14 07:54 J -28295266.27 -28295266.17 -28295266.08 0.3757 0.1915

Mercury -82178-10-13 13:25 J -28293806.07 -28293805.94 -28293805.81 0.3611 0.0830

Mercury -82176-04-29 03:06 J -28293242.43 -28293242.37 -28293242.30 0.3753 0.2985

Mercury -82172-04-28 13:11 J -28291782.09 -28291781.95 -28291781.82 0.3615 0.0502

Mercury -82167-11-12 12:13 J -28289758.10 -28289757.99 -28289757.87 0.3619 0.1750

Mercury -82161-05-28 11:16 J -28287734.10 -28287734.03 -28287733.96 0.3623 0.2958

Mercury -82158-02-20 13:54 J -28286735.94 -28286735.92 -28286735.89 0.3778 0.3657

Mercury -82153-09-05 08:08 J -28284712.23 -28284712.16 -28284712.08 0.3775 0.2746

Mercury -82147-03-22 02:37 J -28282688.49 -28282688.39 -28282688.30 0.3771 0.1810

Mercury -82142-10-05 21:06 J -28280664.73 -28280664.62 -28280664.51 0.3768 0.0847

Mercury -82136-04-20 16:04 J -28278640.95 -28278640.83 -28278640.72 0.3764 0.0202

Mercury -82132-04-19 12:28 J -28277181.03 -28277180.98 -28277180.92 0.3604 0.3209

Mercury -82131-11-04 11:01 J -28276617.15 -28276617.04 -28276616.93 0.3760 0.1178

Mercury -82127-11-03 12:56 J -28275157.07 -28275156.96 -28275156.84 0.3608 0.1797

Mercury -82125-05-20 06:13 J -28274593.33 -28274593.24 -28274593.15 0.3756 0.2232

Mercury -82121-05-19 13:11 J -28273133.09 -28273132.95 -28273132.82 0.3612 0.0447

Mercury -82120-12-04 01:40 J -28272569.48 -28272569.43 -28272569.37 0.3752 0.3318

Mercury -82116-12-03 12:42 J -28271109.10 -28271108.97 -28271108.84 0.3616 0.0872

Mercury -82110-06-19 11:44 J -28269085.11 -28269085.01 -28269084.90 0.3620 0.2117

Mercury -82104-01-02 10:32 J -28267061.11 -28267061.06 -28267061.01 0.3625 0.3318

Mercury -82102-09-27 12:13 J -28266063.04 -28266062.99 -28266062.95 0.3777 0.3399

Mercury -82096-04-12 06:28 J -28264039.32 -28264039.23 -28264039.15 0.3774 0.2478

Mercury -82091-10-27 00:56 J -28262015.57 -28262015.46 -28262015.36 0.3770 0.1533

Mercury -82085-05-11 19:25 J -28259991.80 -28259991.69 -28259991.58 0.3767 0.0556

Mercury -82080-11-25 14:23 J -28257968.01 -28257967.90 -28257967.79 0.3763 0.0460

Mercury -82076-11-24 12:28 J -28256508.06 -28256507.98 -28256507.90 0.3605 0.2793

Mercury -82074-06-11 09:20 J -28255944.21 -28255944.11 -28255944.00 0.3759 0.1501

Mercury -82070-06-10 12:42 J -28254484.09 -28254483.97 -28254483.84 0.3609 0.1397

Mercury -82069-12-25 04:47 J -28253920.39 -28253920.30 -28253920.22 0.3755 0.2557

Mercury -82065-12-24 12:42 J -28252460.10 -28252459.97 -28252459.84 0.3613 0.0057

Mercury -82063-07-11 00:13 J -28251896.51 -28251896.49 -28251896.46 0.3751 0.3658

Mercury -82059-07-10 12:13 J -28250436.12 -28250435.99 -28250435.87 0.3617 0.1247

Mercury -82053-01-24 11:16 J -28248412.12 -28248412.03 -28248411.94 0.3622 0.2486

Mercury -82045-05-03 10:18 J -28245390.13 -28245390.07 -28245390.01 0.3776 0.3129

Mercury -82040-11-17 04:32 J -28243366.40 -28243366.31 -28243366.22 0.3773 0.2200

Mercury -82034-06-02 23:01 J -28241342.64 -28241342.54 -28241342.43 0.3769 0.1245

Mercury -82029-12-16 17:44 J -28239318.87 -28239318.76 -28239318.65 0.3766 0.0260

Mercury -82023-07-02 12:42 J -28237295.08 -28237294.97 -28237294.86 0.3762 0.0768

Mercury -82019-07-01 12:13 J -28235835.09 -28235834.99 -28235834.89 0.3606 0.2387

Mercury -82017-01-16 07:54 J -28235271.27 -28235271.17 -28235271.07 0.3758 0.1812

Mercury -82013-01-15 12:28 J -28233811.10 -28233810.98 -28233810.85 0.3610 0.0994

Mercury -82012-08-01 03:06 J -28233247.44 -28233247.37 -28233247.29 0.3754 0.2892

Mercury -82008-07-31 12:13 J -28231787.12 -28231786.99 -28231786.86 0.3614 0.0342

Mercury -82002-02-14 11:44 J -28229763.13 -28229763.01 -28229762.90 0.3618 0.1627

82ND MILLENNIUM BCE

This is a list of transits visible from Venus in the 82nd millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-81997-08-30 10:32 J	-28227739.14	-28227739.06	-28227738.98	0.3623	0.2848		
Mercury	-81994-05-25 14:23 J	-28226740.90	-28226740.90	-28226740.90	0.3779	0.3776		
Mercury	-81989-12-08 08:23 J	-28224717.22	-28224717.15	-28224717.08	0.3776	0.2865		
Mercury	-81983-06-24 02:52 J	-28222693.48	-28222693.38	-28222693.29	0.3772	0.1918		
Mercury	-81977-01-07 21:20 J	-28220669.72	-28220669.61	-28220669.50	0.3768	0.0954		
Mercury	-81972-07-23 16:04 J	-28218645.94	-28218645.83	-28218645.72	0.3765	0.0089		
Mercury	-81968-07-22 11:30 J	-28217186.06	-28217186.02	-28217185.98	0.3604	0.3408		
Mercury	-81966-02-06 11:01 J	-28216622.15	-28216622.04	-28216621.93	0.3761	0.1079		
Mercury	-81962-02-05 12:13 J	-28215162.11	-28215161.99	-28215161.88	0.3608	0.1973		
Mercury	-81961-08-22 06:13 J	-28214598.33	-28214598.24	-28214598.14	0.3757	0.2136		
Mercury	-81957-08-21 12:13 J	-28213138.12	-28213137.99	-28213137.86	0.3611	0.0595		
Mercury	-81955-03-08 01:40 J	-28212574.48	-28212574.43	-28212574.37	0.3752	0.3225		
Mercury	-81951-03-07 11:59 J	-28211114.13	-28211114.00	-28211113.87	0.3615	0.0739		
Mercury	-81946-09-21 11:16 J	-28209090.14	-28209090.03	-28209089.93	0.3619	0.2003		
Mercury	-81940-04-06 10:04 J	-28207066.14	-28207066.08	-28207066.03	0.3624	0.3215		
Mercury	-81938-12-30 12:28 J	-28206068.02	-28206067.98	-28206067.95	0.3778	0.3520		
Mercury	-81932-07-15 06:42 J	-28204044.30	-28204044.22	-28204044.14	0.3775	0.2592		
Mercury	-81926-01-29 00:56 J	-28202020.56	-28202020.46	-28202020.36	0.3771	0.1642		
Mercury	-81921-08-13 19:40 J	-28199996.79	-28199996.68	-28199996.57	0.3768	0.0659		
Mercury	-81915-02-27 14:23 J	-28197973.01	-28197972.90	-28197972.79	0.3764	0.0362		
Mercury	-81911-02-26 11:30 J	-28196513.10	-28196513.02	-28196512.95	0.3605	0.2988		
Mercury	-81910-09-13 09:35 J	-28195949.21	-28195949.10	-28195949.00	0.3760	0.1400		
Mercury	-81906-09-12 11:59 J	-28194489.12	-28194489.00	-28194488.88	0.3608	0.1561		
Mercury	-81904-03-29 04:47 J	-28193925.39	-28193925.30	-28193925.22	0.3755	0.2463		

Mercury -81900-03-28 11:59 J -28192465.14 -28192465.00 -28192464.87 0.3612 0.0228

Mercury -81899-10-13 00:13 J -28191901.52 -28191901.49 -28191901.45 0.3751 0.3565

Mercury -81895-10-12 11:30 J -28190441.15 -28190441.02 -28190440.90 0.3616 0.1122

Mercury -81889-04-27 10:32 J -28188417.15 -28188417.06 -28188416.96 0.3621 0.2377

Mercury -81884-11-11 09:20 J -28186393.13 -28186393.11 -28186393.09 0.3625 0.3580

Mercury -81881-08-05 10:32 J -28185395.11 -28185395.06 -28185395.01 0.3777 0.3252

Mercury -81875-02-19 04:47 J -28183371.39 -28183371.30 -28183371.21 0.3774 0.2317

Mercury -81870-09-04 23:16 J -28181347.63 -28181347.53 -28181347.43 0.3770 0.1352

Mercury -81864-03-20 17:59 J -28179323.86 -28179323.75 -28179323.64 0.3766 0.0366

Mercury -81859-10-04 12:56 J -28177300.08 -28177299.96 -28177299.85 0.3762 0.0682

Mercury -81855-10-03 11:30 J -28175840.12 -28175840.02 -28175839.93 0.3606 0.2562

Mercury -81853-04-19 07:54 J -28175276.27 -28175276.17 -28175276.07 0.3758 0.1720

Mercury -81849-04-18 11:44 J -28173816.14 -28173816.01 -28173815.88 0.3609 0.1151

Mercury -81848-11-03 03:20 J -28173252.44 -28173252.36 -28173252.29 0.3754 0.2800

Mercury -81844-11-02 11:30 J -28171792.15 -28171792.02 -28171791.88 0.3613 0.0219

Mercury -81838-05-19 11:01 J -28169768.16 -28169768.04 -28169767.92 0.3618 0.1509

Mercury -81833-12-02 10:04 J -28167744.16 -28167744.08 -28167744.00 0.3622 0.2750

Mercury -81824-03-12 08:37 J -28164722.20 -28164722.14 -28164722.07 0.3776 0.2982

Mercury -81819-09-26 03:06 J -28162698.47 -28162698.37 -28162698.28 0.3773 0.2035

Mercury -81813-04-10 21:35 J -28160674.71 -28160674.60 -28160674.49 0.3769 0.1056

Mercury -81808-10-25 16:18 J -28158650.93 -28158650.82 -28158650.71 0.3765 0.0058

Mercury -81804-10-24 10:32 J -28157191.06 -28157191.06 -28157191.05 0.3603 0.3601

Mercury -81802-05-11 11:16 J -28156627.14 -28156627.03 -28156626.92 0.3761 0.0985

Mercury -81798-05-10 11:16 J -28155167.13 -28155167.03 -28155166.92 0.3607 0.2140

Mercury -81797-11-24 06:28 J -28154603.33 -28154603.23 -28154603.14 0.3757 0.2049

Mercury -81793-11-23 11:30 J -28153143.15 -28153143.02 -28153142.89 0.3610 0.0745

Mercury -81791-06-10 01:54 J -28152579.48 -28152579.42 -28152579.36 0.3753 0.3142

Mercury -81787-06-09 11:16 J -28151119.16 -28151119.03 -28151118.90 0.3615 0.0604

Mercury -81782-12-24 10:32 J -28149095.17 -28149095.06 -28149094.95 0.3619 0.1892

Mercury -81776-07-09 09:20 J -28147071.17 -28147071.11 -28147071.04 0.3623 0.3120

Mercury -81773-04-02 12:42 J -28146073.00 -28146072.97 -28146072.94 0.3778 0.3632

Mercury -81768-10-17 06:56 J -28144049.29 -28144049.21 -28144049.14 0.3775 0.2704

Mercury -81762-05-03 01:11 J -28142025.54 -28142025.45 -28142025.35 0.3772 0.1748

Mercury -81757-11-15 19:54 J -28140001.78 -28140001.67 -28140001.56 0.3768 0.0759

Mercury -81751-06-01 14:37 J -28137978.00 -28137977.89 -28137977.78 0.3764 0.0258

Mercury -81747-05-31 10:32 J -28136518.12 -28136518.06 -28136517.99 0.3604 0.3169

Mercury -81746-12-16 09:35 J -28135954.20 -28135954.10 -28135953.99 0.3760 0.1302

Mercury -81742-12-15 11:16 J -28134494.15 -28134494.03 -28134493.92 0.3608 0.1723

Mercury -81740-07-01 04:47 J -28133930.38 -28133930.30 -28133930.21 0.3756 0.2382

Mercury -81736-06-30 11:01 J -28132470.17 -28132470.04 -28132469.90 0.3612 0.0364

Mercury -81734-01-15 00:13 J -28131906.53 -28131906.49 -28131906.45 0.3752 0.3480

Mercury -81730-01-14 10:47 J -28130446.18 -28130446.05 -28130445.92 0.3616 0.1000

Mercury -81725-07-30 09:49 J -28128422.19 -28128422.09 -28128421.98 0.3620 0.2271

Mercury -81719-02-13 08:52 J -28126398.16 -28126398.13 -28126398.10 0.3624 0.3491

Mercury -81717-11-07 10:47 J -28125400.09 -28125400.05 -28125400.00 0.3778 0.3363

Mercury -81711-05-24 05:01 J -28123376.37 -28123376.29 -28123376.20 0.3774 0.2425

Mercury -81706-12-07 23:30 J -28121352.62 -28121352.52 -28121352.42 0.3771 0.1456

Mercury -81700-06-22 18:13 J -28119328.85 -28119328.74 -28119328.63 0.3767 0.0463

Mercury -81694-01-06 12:56 J -28117305.07 -28117304.96 -28117304.85 0.3763 0.0568

Mercury -81690-01-05 10:32 J -28115845.15 -28115845.06 -28115844.97 0.3605 0.2737

Mercury -81689-07-22 08:08 J -28115281.27 -28115281.16 -28115281.06 0.3759 0.1633

Mercury -81685-07-21 10:47 J -28113821.17 -28113821.05 -28113820.92 0.3609 0.1317

Mercury -81683-02-05 03:20 J -28113257.44 -28113257.36 -28113257.28 0.3755 0.2713

Mercury -81679-02-04 10:47 J -28111797.18 -28111797.05 -28111796.91 0.3613 0.0086

Mercury -81674-08-21 10:18 J -28109773.19 -28109773.07 -28109772.95 0.3617 0.1380

Mercury -81668-03-06 09:20 J -28107749.20 -28107749.11 -28107749.02 0.3621 0.2647

Mercury -81660-06-14 09:06 J -28104727.19 -28104727.12 -28104727.06 0.3777 0.3091

Mercury -81655-12-29 03:20 J -28102703.45 -28102703.36 -28102703.27 0.3773 0.2148

Mercury -81649-07-13 21:49 J -28100679.70 -28100679.59 -28100679.49 0.3770 0.1163

Mercury -81643-01-27 16:18 J -28098655.93 -28098655.82 -28098655.70 0.3766 0.0197

Mercury -81638-08-13 11:16 J -28096632.14 -28096632.03 -28096631.92 0.3762 0.0887

Mercury -81634-08-12 10:18 J -28095172.17 -28095172.07 -28095171.97 0.3606 0.2321

Mercury -81632-02-26 06:28 J -28094608.33 -28094608.23 -28094608.13 0.3758 0.1952

Mercury -81628-02-25 10:32 J -28093148.19 -28093148.06 -28093147.93 0.3610 0.0902

Mercury -81627-09-12 01:54 J -28092584.49 -28092584.42 -28092584.36 0.3754 0.3056

Mercury -81623-09-11 10:32 J -28091124.20 -28091124.06 -28091123.93 0.3614 0.0477

Mercury -81617-03-27 09:49 J -28089100.21 -28089100.09 -28089099.98 0.3618 0.1773

Mercury -81612-10-11 08:52 J -28087076.20 -28087076.13 -28087076.06 0.3622 0.3030

Mercury -81609-07-05 12:56 J -28086077.97 -28086077.96 -28086077.95 0.3779 0.3748

Mercury -81603-01-19 07:11 J -28084054.28 -28084054.20 -28084054.13 0.3776 0.2819

Mercury -81598-08-05 01:25 J -28082030.53 -28082030.44 -28082030.34 0.3773 0.1856

Mercury -81592-02-17 19:54 J -28080006.77 -28080006.67 -28080006.56 0.3769 0.0874

Mercury -81587-09-03 14:52 J -28077983.00 -28077982.88 -28077982.77 0.3765 0.0222

Mercury -81583-09-02 09:35 J -28076523.14 -28076523.10 -28076523.05 0.3603 0.3361

Mercury -81581-03-19 09:49 J -28075959.20 -28075959.09 -28075958.99 0.3761 0.1216

Mercury -81577-03-18 10:18 J -28074499.19 -28074499.07 -28074498.96 0.3607 0.1899

Mercury -81576-10-03 05:01 J -28073935.38 -28073935.29 -28073935.20 0.3757 0.2294

Mercury -81572-10-02 10:18 J -28072475.20 -28072475.07 -28072474.93 0.3611 0.0493

Mercury -81570-04-19 00:13 J -28071911.53 -28071911.49 -28071911.44 0.3753 0.3405

Mercury -81566-04-18 10:04 J -28070451.21 -28070451.08 -28070450.95 0.3615 0.0867

Mercury -81561-11-01 09:20 J -28068427.21 -28068427.11 -28068427.01 0.3619 0.2166

Mercury -81555-05-18 08:08 J -28066403.20 -28066403.16 -28066403.11 0.3623 0.3409

Mercury -81552-02-09 11:01 J -28065405.08 -28065405.04 -28065405.00 0.3778 0.3480

Mercury -81547-08-26 05:16 J -28063381.36 -28063381.28 -28063381.20 0.3775 0.2535

Mercury -81541-03-10 23:44 J -28061357.61 -28061357.51 -28061357.41 0.3771 0.1563

Mercury -81536-09-24 18:13 J -28059333.85 -28059333.74 -28059333.63 0.3768 0.0566

Mercury -81530-04-10 13:11 J -28057310.06 -28057309.95 -28057309.84 0.3764 0.0485

Mercury -81526-04-09 09:35 J -28055850.18 -28055850.10 -28055850.02 0.3604 0.2923

Mercury -81525-10-24 08:08 J -28055286.26 -28055286.16 -28055286.06 0.3760 0.1537

Mercury -81521-10-23 10:04 J -28053826.20 -28053826.08 -28053825.96 0.3608 0.1468

Mercury -81519-05-10 03:20 J -28053262.44 -28053262.36 -28053262.28 0.3756 0.2633

Mercury -81515-05-09 10:04 J -28051802.21 -28051802.08 -28051801.94 0.3612 0.0089

Mercury -81510-11-23 09:35 J -28049778.22 -28049778.10 -28049777.97 0.3616 0.1269

Mercury -81504-06-08 08:52 J -28047754.22 -28047754.13 -28047754.04 0.3620 0.2556

Mercury -81496-09-16 09:20 J -28044732.17 -28044732.11 -28044732.06 0.3777 0.3205

Mercury -81490-04-02 03:35 J -28042708.44 -28042708.35 -28042708.27 0.3774 0.2251

Mercury -81485-10-15 22:04 J -28040684.69 -28040684.58 -28040684.48 0.3770 0.1270

Mercury -81479-05-01 16:32 J -28038660.92 -28038660.81 -28038660.70 0.3767 0.0263

Mercury -81474-11-15 11:30 J -28036637.13 -28036637.02 -28036636.91 0.3763 0.0798

Mercury -81470-11-14 09:35 J -28035177.20 -28035177.10 -28035177.01 0.3605 0.2489

Mercury -81468-05-31 06:42 J -28034613.32 -28034613.22 -28034613.13 0.3759 0.1878

Mercury -81464-05-30 09:49 J -28033153.22 -28033153.09 -28033152.96 0.3609 0.1044

Mercury -81463-12-15 01:54 J -28032589.49 -28032589.42 -28032589.35 0.3755 0.2975

Mercury -81459-12-14 09:49 J -28031129.22 -28031129.09 -28031128.96 0.3613 0.0346

Mercury -81453-06-29 09:06 J -28029105.23 -28029105.12 -28029105.00 0.3617 0.1667

Mercury -81447-01-13 08:23 J -28027081.23 -28027081.15 -28027081.08 0.3621 0.2943

Mercury -81439-04-23 07:25 J -28024059.26 -28024059.19 -28024059.12 0.3776 0.2921

Mercury -81434-11-07 01:40 J -28022035.52 -28022035.43 -28022035.33 0.3773 0.1957

Mercury -81428-05-22 20:08 J -28020011.76 -28020011.66 -28020011.55 0.3769 0.0968

Mercury -81423-12-06 14:52 J -28017987.99 -28017987.88 -28017987.76 0.3766 0.0131

Mercury -81419-12-05 08:52 J -28016528.16 -28016528.13 -28016528.11 0.3602 0.3542

Mercury -81417-06-21 09:49 J -28015964.20 -28015964.09 -28015963.98 0.3762 0.1125

Mercury -81413-06-20 09:20 J -28014504.22 -28014504.11 -28014504.00 0.3606 0.2060

Mercury -81411-01-05 05:01 J -28013940.38 -28013940.29 -28013940.20 0.3758 0.2205

Mercury -81407-01-04 09:35 J -28012480.23 -28012480.10 -28012479.97 0.3610 0.0623

Mercury -81406-07-22 00:28 J -28011916.53 -28011916.48 -28011916.43 0.3754 0.3325

Mercury -81402-07-21 09:20 J -28010456.24 -28010456.11 -28010455.98 0.3614 0.0743

Mercury -81396-02-03 08:37 J -28008432.24 -28008432.14 -28008432.03 0.3618 0.2063

Mercury -81391-08-20 07:40 J -28006408.23 -28006408.18 -28006408.13 0.3623 0.3317

Mercury -81388-05-14 11:30 J -28005410.05 -28005410.02 -28005409.99 0.3779 0.3589

Mercury -81383-11-28 05:30 J -28003386.34 -28003386.27 -28003386.19 0.3776 0.2641

Mercury -81377-06-12 23:59 J -28001362.60 -28001362.50 -28001362.40 0.3772 0.1660

Mercury -81372-12-27 18:28 J -27999338.84 -27999338.73 -27999338.62 0.3769 0.0657

Mercury -81366-07-13 13:11 J -27997315.06 -27997314.95 -27997314.83 0.3765 0.0405

Mercury -81362-07-12 08:37 J -27995855.21 -27995855.14 -27995855.07 0.3604 0.3106

Mercury -81360-01-26 08:08 J -27995291.26 -27995291.16 -27995291.05 0.3761 0.1451

Mercury -81356-01-25 09:06 J -27993831.24 -27993831.12 -27993831.00 0.3607 0.1629

Mercury -81355-08-12 03:20 J -27993267.44 -27993267.36 -27993267.27 0.3757 0.2550

Mercury -81351-08-11 09:20 J -27991807.25 -27991807.11 -27991806.98 0.3611 0.0246

Mercury -81349-02-25 22:47 J -27991243.57 -27991243.55 -27991243.53 0.3752 0.3675

Mercury -81345-02-25 08:52 J -27989783.25 -27989783.13 -27989783.00 0.3615 0.1150

Mercury -81340-09-10 08:08 J -27987759.26 -27987759.16 -27987759.06 0.3619 0.2451

Mercury -81332-12-19 09:35 J -27984737.15 -27984737.10 -27984737.05 0.3778 0.3315

Mercury -81326-07-05 03:49 J -27982713.43 -27982713.34 -27982713.26 0.3775 0.2349

Mercury -81320-01-17 22:04 J -27980689.68 -27980689.58 -27980689.47 0.3771 0.1368

Mercury -81315-08-03 16:47 J -27978665.91 -27978665.80 -27978665.69 0.3768 0.0344

Mercury -81309-02-17 11:30 J -27976642.13 -27976642.02 -27976641.91 0.3764 0.0713

Mercury -81305-02-16 08:37 J -27975182.23 -27975182.14 -27975182.05 0.3605 0.2666

Mercury -81304-09-02 06:42 J -27974618.32 -27974618.22 -27974618.12 0.3760 0.1787

Mercury -81300-09-01 09:06 J -27973158.25 -27973158.12 -27973158.00 0.3608 0.1207

Mercury -81298-03-19 01:54 J -27972594.49 -27972594.42 -27972594.35 0.3755 0.2892

Mercury -81294-03-18 08:52 J -27971134.26 -27971134.13 -27971133.99 0.3612 0.0211

Mercury -81289-10-01 08:37 J -27969110.26 -27969110.14 -27969110.03 0.3616 0.1561

Mercury -81283-04-17 07:40 J -27967086.26 -27967086.18 -27967086.10 0.3621 0.2844

Mercury -81275-07-26 07:40 J -27964064.24 -27964064.18 -27964064.12 0.3777 0.3031

Mercury -81269-02-09 01:54 J -27962040.51 -27962040.42 -27962040.33 0.3774 0.2059

Mercury -81264-08-24 20:23 J -27960016.76 -27960016.65 -27960016.54 0.3770 0.1059

Mercury -81258-03-10 15:06 J -27957992.98 -27957992.87 -27957992.76 0.3766 0.0050

Mercury -81253-09-23 10:04 J -27955969.19 -27955969.08 -27955968.98 0.3762 0.1045

Mercury -81249-09-22 08:23 J -27954509.25 -27954509.15 -27954509.04 0.3605 0.2224

Mercury -81247-04-09 05:01 J -27953945.38 -27953945.29 -27953945.19 0.3758 0.2126

Mercury -81243-04-08 08:37 J -27952485.27 -27952485.14 -27952485.00 0.3609 0.0782

Mercury -81242-10-24 00:28 J -27951921.54 -27951921.48 -27951921.43 0.3754 0.3246

Mercury -81238-10-23 08:37 J -27950461.27 -27950461.14 -27950461.01 0.3613 0.0626

Mercury -81232-05-08 08:08 J -27948437.27 -27948437.16 -27948437.05 0.3617 0.1963

Mercury -81227-11-22 06:56 J -27946413.26 -27946413.21 -27946413.15 0.3622 0.3239

Mercury -81224-08-16 11:44 J -27945415.03 -27945415.01 -27945415.00 0.3780 0.3702

Mercury -81218-03-02 05:44 J -27943391.33 -27943391.26 -27943391.18 0.3776 0.2749

Mercury -81213-09-15 00:13 J -27941367.59 -27941367.49 -27941367.40 0.3773 0.1765

Mercury -81207-03-31 18:42 J -27939343.83 -27939343.72 -27939343.61 0.3769 0.0749

Mercury -81202-10-15 13:25 J -27937320.05 -27937319.94 -27937319.83 0.3765 0.0295

Mercury -81198-10-14 07:40 J -27935860.23 -27935860.18 -27935860.12 0.3603 0.3279

Mercury -81196-04-30 08:23 J -27935296.26 -27935296.15 -27935296.05 0.3761 0.1371

Mercury -81192-04-29 08:23 J -27933836.27 -27933836.15 -27933836.03 0.3606 0.1781

Mercury -81191-11-14 03:35 J -27933272.44 -27933272.35 -27933272.27 0.3757 0.2473

Mercury -81187-11-13 08:23 J -27931812.28 -27931812.15 -27931812.01 0.3610 0.0362

Mercury -81185-05-29 23:01 J -27931248.57 -27931248.54 -27931248.51 0.3753 0.3606

Mercury -81181-05-29 08:23 J -27929788.28 -27929788.15 -27929788.03 0.3615 0.1048

Mercury -81176-12-13 07:25 J -27927764.28 -27927764.19 -27927764.09 0.3619 0.2364

Mercury -81167-03-23 09:49 J -27924742.13 -27924742.09 -27924742.05 0.3779 0.3419

Mercury -81162-10-07 04:04 J -27922718.41 -27922718.33 -27922718.25 0.3775 0.2454

Mercury -81156-04-21 22:18 J -27920694.67 -27920694.57 -27920694.46 0.3772 0.1461

Mercury -81151-11-05 17:01 J -27918670.90 -27918670.79 -27918670.68 0.3768 0.0437

Mercury -81145-05-21 11:44 J -27916647.12 -27916647.01 -27916646.90 0.3764 0.0621

Mercury -81141-05-20 07:40 J -27915187.26 -27915187.18 -27915187.10 0.3604 0.2828

Mercury -81140-12-05 06:42 J -27914623.32 -27914623.22 -27914623.12 0.3760 0.1710

Mercury -81136-12-04 08:08 J -27913163.28 -27913163.16 -27913163.03 0.3607 0.1345

Mercury -81134-06-21 01:54 J -27912599.49 -27912599.42 -27912599.34 0.3756 0.2825

Mercury -81130-06-20 08:08 J -27911139.29 -27911139.16 -27911139.02 0.3612 0.0094

Mercury -81124-01-03 07:54 J -27909115.29 -27909115.17 -27909115.05 0.3616 0.1455

Mercury -81119-07-20 06:56 J -27907091.29 -27907091.21 -27907091.13 0.3620 0.2754

Mercury -81111-10-28 07:54 J -27904069.23 -27904069.17 -27904069.11 0.3778 0.3135

Mercury -81105-05-13 02:08 J -27902045.50 -27902045.41 -27902045.32 0.3774 0.2157

Mercury -81100-11-26 20:37 J -27900021.74 -27900021.64 -27900021.53 0.3771 0.1150

Mercury -81094-06-12 15:20 J -27897997.97 -27897997.86 -27897997.75 0.3767 0.0134

Mercury -81089-12-26 10:04 J -27895974.19 -27895974.08 -27895973.97 0.3763 0.0951

Mercury -81085-12-25 07:40 J -27894514.28 -27894514.18 -27894514.08 0.3605 0.2378

Mercury -81083-07-12 05:16 J -27893950.38 -27893950.28 -27893950.19 0.3759 0.2053

Mercury -81079-07-11 07:54 J -27892490.30 -27892490.17 -27892490.04 0.3609 0.0916

Mercury -81077-01-26 00:28 J -27891926.54 -27891926.48 -27891926.42 0.3755 0.3173

Mercury -81073-01-25 07:54 J -27890466.30 -27890466.17 -27890466.04 0.3613 0.0506

Mercury -81068-08-10 07:11 J -27888442.31 -27888442.20 -27888442.08 0.3617 0.1858

Mercury -81062-02-24 06:28 J -27886418.29 -27886418.23 -27886418.17 0.3621 0.3153

Mercury -81054-06-04 06:13 J -27883396.31 -27883396.24 -27883396.17 0.3777 0.2846

Mercury -81049-12-18 00:28 J -27881372.58 -27881372.48 -27881372.39 0.3774 0.1861

Mercury -81043-07-03 18:56 J -27879348.82 -27879348.71 -27879348.60 0.3770 0.0836

Mercury -81037-01-17 13:40 J -27877325.05 -27877324.93 -27877324.82 0.3766 0.0256

Mercury -81033-01-16 06:42 J -27875865.25 -27875865.22 -27875865.18 0.3602 0.3456

Mercury -81032-08-02 08:23 J -27875301.25 -27875301.15 -27875301.04 0.3762 0.1295

Mercury -81028-08-01 07:25 J -27873841.30 -27873841.19 -27873841.08 0.3606 0.1942

Mercury -81026-02-16 03:35 J -27873277.44 -27873277.35 -27873277.26 0.3758 0.2393

Mercury -81022-02-15 07:40 J -27871817.31 -27871817.18 -27871817.05 0.3610 0.0482

Mercury -81021-08-31 23:01 J -27871253.58 -27871253.54 -27871253.51 0.3754 0.3533

Mercury -81017-08-31 07:25 J -27869793.32 -27869793.19 -27869793.06 0.3614 0.0920

Mercury -81011-03-17 06:42 J -27867769.32 -27867769.22 -27867769.11 0.3618 0.2266

Mercury -81006-10-01 05:44 J -27865745.28 -27865745.26 -27865745.23 0.3622 0.3553

Mercury -81003-06-25 10:04 J -27864747.11 -27864747.08 -27864747.04 0.3779 0.3521

81ST MILLENNIUM BCE

This is a list of transits visible from Venus in the 81st millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-80997-01-09 04:18 J	-27862723.40	-27862723.32	-27862723.24	0.3776	0.2556		
Mercury	-80992-07-24 22:32 J	-27860699.66	-27860699.56	-27860699.46	0.3773	0.1555		
Mercury	-80986-02-07 17:01 J	-27858675.90	-27858675.79	-27858675.68	0.3769	0.0541		
Mercury	-80981-08-23 11:59 J	-27856652.12	-27856652.00	-27856651.89	0.3765	0.0555		
Mercury	-80977-08-22 06:42 J	-27855192.29	-27855192.22	-27855192.15	0.3603	0.3007		
Mercury	-80975-03-09 06:56 J	-27854628.32	-27854628.21	-27854628.11	0.3761	0.1629		
Mercury	-80971-03-08 07:11 J	-27853168.32	-27853168.20	-27853168.07	0.3607	0.1499		
Mercury	-80970-09-23 02:08 J	-27852604.49	-27852604.41	-27852604.34	0.3757	0.2750		
Mercury	-80966-09-22 07:25 J	-27851144.32	-27851144.19	-27851144.06	0.3611	0.0048		
Mercury	-80960-04-07 06:56 J	-27849120.33	-27849120.21	-27849120.08	0.3615	0.1344		
Mercury	-80955-10-22 06:28 J	-27847096.32	-27847096.23	-27847096.15	0.3619	0.2676		
Mercury	-80946-01-30 08:08 J	-27844074.21	-27844074.16	-27844074.10	0.3779	0.3239		
Mercury	-80941-08-15 02:23 J	-27842050.49	-27842050.40	-27842050.31	0.3775	0.2257		
Mercury	-80935-02-28 20:52 J	-27840026.74	-27840026.63	-27840026.53	0.3772	0.1246		
Mercury	-80930-09-14 15:20 J	-27838002.97	-27838002.86	-27838002.75	0.3768	0.0225		
Mercury	-80924-03-30 10:18 J	-27835979.18	-27835979.07	-27835978.96	0.3764	0.0875		
Mercury	-80920-03-29 06:42 J	-27834519.32	-27834519.22	-27834519.13	0.3604	0.2552		
Mercury	-80919-10-14 05:16 J	-27833955.38	-27833955.28	-27833955.18	0.3760	0.1971		
Mercury	-80915-10-13 07:11 J	-27832495.33	-27832495.20	-27832495.07	0.3608	0.1057		
Mercury	-80913-04-29 00:28 J	-27831931.54	-27831931.48	-27831931.42	0.3756	0.3108		
Mercury	-80909-04-28 07:11 J	-27830471.34	-27830471.20	-27830471.07	0.3612	0.0391		
Mercury	-80904-11-12 06:42 J	-27828447.34	-27828447.22	-27828447.11	0.3616	0.1759		

Mercury -80898-05-29 05:44 J -27826423.32 -27826423.26 -27826423.19 0.3620 0.3083

Mercury -80890-09-06 06:13 J -27823401.30 -27823401.24 -27823401.17 0.3778 0.2951

Mercury -80884-03-22 00:42 J -27821377.57 -27821377.47 -27821377.38 0.3774 0.1960

Mercury -80879-10-05 19:11 J -27819353.81 -27819353.70 -27819353.60 0.3770 0.0941

Mercury -80873-04-20 13:40 J -27817330.04 -27817329.93 -27817329.82 0.3767 0.0151

Mercury -80868-11-04 08:37 J -27815306.25 -27815306.14 -27815306.03 0.3763 0.1209

Mercury -80864-11-03 06:28 J -27813846.34 -27813846.23 -27813846.12 0.3605 0.2094

Mercury -80862-05-21 03:35 J -27813282.43 -27813282.35 -27813282.26 0.3759 0.2329

Mercury -80858-05-20 06:56 J -27811822.34 -27811822.21 -27811822.08 0.3609 0.0608

Mercury -80857-12-03 23:01 J -27811258.58 -27811258.54 -27811258.50 0.3755 0.3469

Mercury -80853-12-03 06:42 J -27809798.35 -27809798.22 -27809798.09 0.3613 0.0814

Mercury -80847-06-19 06:13 J -27807774.34 -27807774.24 -27807774.14 0.3617 0.2176

Mercury -80841-01-03 05:16 J -27805750.31 -27805750.28 -27805750.25 0.3621 0.3482

Mercury -80839-09-27 10:18 J -27804752.09 -27804752.07 -27804752.04 0.3780 0.3627

Mercury -80833-04-12 04:32 J -27802728.39 -27802728.31 -27802728.23 0.3777 0.2649

Mercury -80828-10-26 22:47 J -27800704.65 -27800704.55 -27800704.45 0.3773 0.1647

Mercury -80822-05-12 17:16 J -27798680.89 -27798680.78 -27798680.67 0.3770 0.0620

Mercury -80817-11-25 11:59 J -27796657.11 -27796657.00 -27796656.88 0.3766 0.0479

Mercury -80813-11-24 05:44 J -27795197.32 -27795197.26 -27795197.20 0.3602 0.3170

Mercury -80811-06-11 06:56 J -27794633.31 -27794633.21 -27794633.10 0.3762 0.1557

Mercury -80807-06-10 06:28 J -27793173.35 -27793173.23 -27793173.11 0.3606 0.1639

Mercury -80806-12-26 02:08 J -27792609.49 -27792609.41 -27792609.33 0.3758 0.2679

Mercury -80802-12-25 06:42 J -27791149.35 -27791149.22 -27791149.09 0.3610 0.0169

Mercury -80796-07-10 06:28 J -27789125.36 -27789125.23 -27789125.11 0.3614 0.1239

Mercury -80790-01-24 05:44 J -27787101.35 -27787101.26 -27787101.17 0.3618 0.2591

Mercury -80782-05-04 08:37 J -27784079.19 -27784079.14 -27784079.10 0.3779 0.3336

Mercury -80777-11-17 02:37 J -27782055.47 -27782055.39 -27782055.30 0.3776 0.2349

Mercury -80771-06-02 21:06 J -27780031.72 -27780031.62 -27780031.52 0.3772 0.1329

Mercury -80766-12-17 15:35 J -27778007.96 -27778007.85 -27778007.74 0.3769 0.0290

Mercury -80760-07-02 10:18 J -27775984.18 -27775984.07 -27775983.96 0.3765 0.0809

Mercury -80756-07-01 05:44 J -27774524.35 -27774524.26 -27774524.17 0.3603 0.2711

Mercury -80754-01-16 05:16 J -27773960.37 -27773960.28 -27773960.18 0.3761 0.1899

Mercury -80750-01-15 06:13 J -27772500.37 -27772500.24 -27772500.11 0.3607 0.1189

Mercury -80749-08-01 00:42 J -27771936.54 -27771936.47 -27771936.41 0.3757 0.3042

Mercury -80745-07-31 06:13 J -27770476.37 -27770476.24 -27770476.10 0.3611 0.0266

Mercury -80739-02-14 05:59 J -27768452.37 -27768452.25 -27768452.13 0.3615 0.1660

Mercury -80734-08-31 05:01 J -27766428.36 -27766428.29 -27766428.21 0.3619 0.2997

Mercury -80726-12-09 06:42 J -27763406.29 -27763406.22 -27763406.16 0.3778 0.3044

Mercury -80720-06-24 00:56 J -27761382.55 -27761382.46 -27761382.37 0.3775 0.2043

Mercury -80714-01-07 19:11 J -27759358.80 -27759358.70 -27759358.59 0.3771 0.1025

Mercury -80709-07-23 13:54 J -27757335.03 -27757334.92 -27757334.81 0.3768 0.0055

Mercury -80703-02-06 08:37 J -27755311.24 -27755311.14 -27755311.03 0.3764 0.1138

Mercury -80699-02-05 05:44 J -27753851.37 -27753851.26 -27753851.16 0.3604 0.2252

Mercury -80698-08-23 03:49 J -27753287.43 -27753287.34 -27753287.25 0.3760 0.2252

Mercury -80694-08-22 05:59 J -27751827.38 -27751827.25 -27751827.12 0.3608 0.0749

Mercury -80692-03-07 23:01 J -27751263.59 -27751263.54 -27751263.49 0.3755 0.3400

Mercury -80688-03-07 05:59 J -27749803.38 -27749803.25 -27749803.12 0.3612 0.0697

Mercury -80683-09-21 05:30 J -27747779.38 -27747779.27 -27747779.16 0.3616 0.2081

Mercury -80677-04-06 04:32 J -27745755.35 -27745755.31 -27745755.27 0.3620 0.3402

Mercury -80675-12-30 10:47 J -27744757.07 -27744757.05 -27744757.04 0.3781 0.3730

Mercury -80669-07-15 04:47 J -27742733.37 -27742733.30 -27742733.23 0.3777 0.2743

Mercury -80663-01-28 23:01 J -27740709.64 -27740709.54 -27740709.44 0.3774 0.1736

Mercury -80658-08-14 17:30 J -27738685.88 -27738685.77 -27738685.66 0.3770 0.0696

Mercury -80652-02-27 12:13 J -27736662.10 -27736661.99 -27736661.88 0.3767 0.0378

Mercury -80648-02-26 04:47 J -27735202.35 -27735202.30 -27735202.25 0.3602 0.3344

Mercury -80647-09-13 07:11 J -27734638.31 -27734638.20 -27734638.10 0.3763 0.1485

Mercury -80643-09-12 05:30 J -27733178.39 -27733178.27 -27733178.15 0.3605 0.1793

Mercury -80641-03-29 02:08 J -27732614.49 -27732614.41 -27732614.33 0.3759 0.2610

Mercury -80637-03-28 05:44 J -27731154.39 -27731154.26 -27731154.13 0.3609 0.0300

Mercury -80632-10-12 05:44 J -27729130.39 -27729130.26 -27729130.14 0.3613 0.1141

Mercury -80626-04-28 05:01 J -27727106.38 -27727106.29 -27727106.20 0.3617 0.2502

Mercury -80618-08-06 08:52 J -27724084.18 -27724084.13 -27724084.09 0.3780 0.3438

Mercury -80612-02-19 02:52 J -27722060.46 -27722060.38 -27722060.29 0.3776 0.2445

Mercury -80607-09-04 21:20 J -27720036.72 -27720036.61 -27720036.51 0.3773 0.1425

Mercury -80601-03-20 15:49 J -27718012.95 -27718012.84 -27718012.73 0.3769 0.0373

Mercury -80596-10-04 10:32 J -27715989.17 -27715989.06 -27715988.95 0.3765 0.0716

Mercury -80592-10-03 04:47 J -27714529.38 -27714529.30 -27714529.22 0.3603 0.2868

Mercury -80590-04-20 05:30 J -27713965.37 -27713965.27 -27713965.17 0.3762 0.1831

Mercury -80586-04-19 05:16 J -27712505.40 -27712505.28 -27712505.15 0.3606 0.1336

Mercury -80585-11-03 00:42 J -27711941.54 -27711941.47 -27711941.40 0.3757 0.2974

Mercury -80581-11-02 05:30 J -27710481.40 -27710481.27 -27710481.13 0.3610 0.0152

Mercury -80575-05-19 05:16 J -27708457.40 -27708457.28 -27708457.16 0.3614 0.1570

Mercury -80570-12-03 04:32 J -27706433.39 -27706433.31 -27706433.23 0.3618 0.2921

Mercury -80561-03-12 06:56 J -27703411.27 -27703411.21 -27703411.15 0.3779 0.3141

Mercury -80556-09-26 01:11 J -27701387.54 -27701387.45 -27701387.36 0.3775 0.2135

Mercury -80550-04-11 19:25 J -27699363.79 -27699363.69 -27699363.58 0.3772 0.1104

Mercury -80545-10-25 14:08 J -27697340.02 -27697339.91 -27697339.80 0.3768 0.0056

Mercury -80539-05-11 08:52 J -27695316.24 -27695316.13 -27695316.02 0.3764 0.1064

Mercury -80535-05-10 04:47 J -27693856.40 -27693856.30 -27693856.20 0.3604 0.2398

Mercury -80534-11-25 03:49 J -27693292.43 -27693292.34 -27693292.24 0.3760 0.2193

Mercury -80530-11-24 05:16 J -27691832.41 -27691832.28 -27691832.15 0.3607 0.0876

Mercury -80528-06-09 23:01 J -27691268.58 -27691268.54 -27691268.49 0.3756 0.3347

Mercury -80524-06-09 05:16 J -27689808.41 -27689808.28 -27689808.15 0.3612 0.0594

Mercury -80519-12-24 04:47 J -27687784.41 -27687784.30 -27687784.19 0.3615 0.2001

Mercury -80513-07-09 04:04 J -27685760.38 -27685760.33 -27685760.29 0.3620 0.3337

Mercury -80505-10-17 05:01 J -27682738.36 -27682738.29 -27682738.22 0.3778 0.2838

Mercury -80499-05-02 23:16 J -27680714.62 -27680714.53 -27680714.43 0.3775 0.1820

Mercury -80494-11-16 17:44 J -27678690.87 -27678690.76 -27678690.65 0.3771 0.0774

Mercury -80488-06-01 12:28 J -27676667.09 -27676666.98 -27676666.87 0.3767 0.0313

Mercury -80484-05-31 03:49 J -27675207.37 -27675207.34 -27675207.31 0.3601 0.3502

Mercury -80483-12-16 07:11 J -27674643.30 -27674643.20 -27674643.09 0.3764 0.1413

Mercury -80479-12-15 04:32 J -27673183.42 -27673183.31 -27673183.19 0.3605 0.1933

Mercury -80477-07-01 02:23 J -27672619.48 -27672619.40 -27672619.32 0.3759 0.2551

Mercury -80473-06-30 05:01 J -27671159.43 -27671159.29 -27671159.16 0.3609 0.0425

Mercury -80471-01-14 21:35 J -27670595.61 -27670595.60 -27670595.59 0.3755 0.3714

Mercury -80467-01-14 05:01 J -27669135.42 -27669135.29 -27669135.17 0.3613 0.1042

Mercury -80462-07-31 04:18 J -27667111.42 -27667111.32 -27667111.22 0.3617 0.2418

Mercury -80454-11-08 09:06 J -27664089.16 -27664089.12 -27664089.08 0.3780 0.3528

Mercury -80448-05-24 03:20 J -27662065.44 -27662065.36 -27662065.28 0.3777 0.2533

Mercury -80443-12-07 21:35 J -27660041.70 -27660041.60 -27660041.50 0.3774 0.1503

Mercury -80437-06-22 16:04 J -27658017.94 -27658017.83 -27658017.72 0.3770 0.0443

Mercury -80431-01-06 10:47 J -27655994.17 -27655994.05 -27655993.94 0.3766 0.0656

Mercury -80427-01-05 03:49 J -27654534.41 -27654534.34 -27654534.27 0.3602 0.3025

Mercury -80426-07-23 05:30 J -27653970.36 -27653970.27 -27653970.17 0.3762 0.1773

Mercury -80422-07-22 04:32 J -27652510.44 -27652510.31 -27652510.19 0.3606 0.1475

Mercury -80420-02-05 00:42 J -27651946.54 -27651946.47 -27651946.40 0.3758 0.2911

Mercury -80416-02-04 04:47 J -27650486.44 -27650486.30 -27650486.17 0.3610 0.0071

Mercury -80411-08-21 04:32 J -27648462.43 -27648462.31 -27648462.19 0.3614 0.1469

Mercury -80405-03-06 03:49 J -27646438.42 -27646438.34 -27646438.26 0.3618 0.2843

Mercury -80397-06-14 07:11 J -27643416.25 -27643416.20 -27643416.14 0.3780 0.3229

Mercury -80392-12-29 01:25 J -27641392.53 -27641392.44 -27641392.35 0.3776 0.2225

Mercury -80386-07-14 19:40 J -27639368.78 -27639368.68 -27639368.57 0.3773 0.1183

Mercury -80380-01-27 14:08 J -27637345.02 -27637344.91 -27637344.79 0.3769 0.0178

Mercury -80375-08-13 09:06 J -27635321.23 -27635321.12 -27635321.02 0.3765 0.0997

Mercury -80371-08-12 03:35 J -27633861.44 -27633861.35 -27633861.25 0.3603 0.2561

Mercury -80369-02-27 04:04 J -27633297.43 -27633297.33 -27633297.24 0.3761 0.2123

Mercury -80365-02-26 04:18 J -27631837.45 -27631837.32 -27631837.19 0.3607 0.1007

Mercury -80364-09-11 23:16 J -27631273.59 -27631273.53 -27631273.48 0.3757 0.3284

Mercury -80360-09-11 04:18 J -27629813.45 -27629813.32 -27629813.18 0.3611 0.0489

Mercury -80354-03-28 04:04 J -27627789.44 -27627789.33 -27627789.22 0.3615 0.1905

Mercury -80349-10-11 03:20 J -27625765.41 -27625765.36 -27625765.30 0.3619 0.3273

Mercury -80340-01-19 05:16 J -27622743.35 -27622743.28 -27622743.21 0.3779 0.2931

Mercury -80335-08-04 23:30 J -27620719.61 -27620719.52 -27620719.42 0.3775 0.1908

Mercury -80329-02-18 17:59 J -27618695.86 -27618695.75 -27618695.64 0.3772 0.0858

Mercury -80324-09-03 12:28 J -27616672.09 -27616671.98 -27616671.87 0.3768 0.0246

Mercury -80318-03-20 07:25 J -27614648.30 -27614648.19 -27614648.09 0.3764 0.1342

Mercury -80314-03-19 03:35 J -27613188.46 -27613188.35 -27613188.24 0.3604 0.2082

Mercury -80313-10-03 02:23 J -27612624.48 -27612624.40 -27612624.32 0.3760 0.2486

Mercury -80309-10-02 04:04 J -27611164.46 -27611164.33 -27611164.19 0.3608 0.0549

Mercury -80307-04-18 21:35 J -27610600.62 -27610600.60 -27610600.58 0.3756 0.3663

Mercury -80303-04-18 04:04 J -27609140.46 -27609140.33 -27609140.20 0.3612 0.0930

Mercury -80298-11-02 03:35 J -27607116.45 -27607116.35 -27607116.25 0.3616 0.2345

Mercury -80289-02-10 09:20 J -27604094.14 -27604094.11 -27604094.08 0.3781 0.3624

Mercury -80284-08-26 03:20 J -27602070.43 -27602070.36 -27602070.28 0.3778 0.2625

Mercury -80278-03-11 21:49 J -27600046.69 -27600046.59 -27600046.49 0.3774 0.1593

Mercury -80273-09-24 16:18 J -27598022.94 -27598022.82 -27598022.71 0.3771 0.0543

Mercury -80267-04-10 10:47 J -27595999.16 -27595999.05 -27595998.94 0.3767 0.0577

Mercury -80263-04-09 02:52 J -27594539.44 -27594539.38 -27594539.32 0.3601 0.3194

Mercury -80262-10-25 05:44 J -27593975.36 -27593975.26 -27593975.16 0.3763 0.1698

Mercury -80258-10-24 03:35 J -27592515.47 -27592515.35 -27592515.23 0.3605 0.1601

Mercury -80256-05-10 00:42 J -27591951.54 -27591951.47 -27591951.39 0.3759 0.2859

Mercury -80252-05-09 03:49 J -27590491.47 -27590491.34 -27590491.20 0.3609 0.0139

Mercury -80247-11-23 03:49 J -27588467.46 -27588467.34 -27588467.22 0.3613 0.1380

Mercury -80241-06-08 03:20 J -27586443.45 -27586443.36 -27586443.28 0.3617 0.2782

Mercury -80233-09-16 07:25 J -27583421.24 -27583421.19 -27583421.14 0.3780 0.3324

Mercury -80227-04-02 01:40 J -27581397.52 -27581397.43 -27581397.35 0.3777 0.2308

Mercury -80222-10-16 19:54 J -27579373.77 -27579373.67 -27579373.56 0.3773 0.1263

Mercury -80216-05-01 14:23 J -27577350.01 -27577349.90 -27577349.79 0.3770 0.0213

Mercury -80211-11-15 09:06 J -27575326.22 -27575326.12 -27575326.01 0.3766 0.0934

Mercury -80207-11-14 02:52 J -27573866.47 -27573866.38 -27573866.29 0.3602 0.2703

Mercury -80205-05-31 04:04 J -27573302.42 -27573302.33 -27573302.23 0.3762 0.2064

Mercury -80201-05-30 03:35 J -27571842.48 -27571842.35 -27571842.22 0.3606 0.1130

Mercury -80200-12-14 23:16 J -27571278.59 -27571278.53 -27571278.47 0.3758 0.3231

Mercury -80196-12-14 03:35 J -27569818.48 -27569818.35 -27569818.21 0.3610 0.0392

Mercury -80190-06-30 03:20 J -27567794.47 -27567794.36 -27567794.24 0.3614 0.1822

Mercury -80184-01-13 02:52 J -27565770.44 -27565770.38 -27565770.33 0.3618 0.3212

Mercury -80176-04-23 05:30 J -27562748.33 -27562748.27 -27562748.20 0.3779 0.3018

Mercury -80171-11-06 23:44 J -27560724.60 -27560724.51 -27560724.41 0.3776 0.1989

Mercury -80165-05-22 18:13 J -27558700.85 -27558700.74 -27558700.63 0.3772 0.0929

Mercury -80160-12-06 12:42 J -27556677.08 -27556676.97 -27556676.86 0.3769 0.0173

Mercury -80154-06-22 07:25 J -27554653.29 -27554653.19 -27554653.08 0.3765 0.1291

Mercury -80150-06-21 02:52 J -27553193.49 -27553193.38 -27553193.28 0.3603 0.2220

Mercury -80148-01-05 02:23 J -27552629.48 -27552629.40 -27552629.31 0.3761 0.2430

Mercury -80144-01-04 03:20 J -27551169.49 -27551169.36 -27551169.23 0.3607 0.0658

Mercury -80143-07-21 21:49 J -27550605.62 -27550605.59 -27550605.57 0.3757 0.3613

Mercury -80139-07-21 03:20 J -27549145.49 -27549145.36 -27549145.23 0.3611 0.0829

Mercury -80133-02-04 02:52 J -27547121.48 -27547121.38 -27547121.27 0.3615 0.2270

Mercury -80125-05-14 09:35 J -27544099.11 -27544099.10 -27544099.08 0.3782 0.3716

Mercury -80120-11-28 03:49 J -27542075.42 -27542075.34 -27542075.27 0.3779 0.2703

Mercury -80114-06-13 22:04 J -27540051.68 -27540051.58 -27540051.48 0.3775 0.1665

Mercury -80109-12-27 16:18 J -27538027.93 -27538027.82 -27538027.71 0.3772 0.0611

Mercury -80103-07-13 11:01 J -27536004.15 -27536004.04 -27536003.93 0.3768 0.0509

Mercury -80099-07-12 01:54 J -27534544.47 -27534544.42 -27534544.38 0.3601 0.3353

Mercury -80097-01-27 05:44 J -27533980.36 -27533980.26 -27533980.16 0.3764 0.1638

Mercury -80093-01-26 02:37 J -27532520.51 -27532520.39 -27532520.27 0.3604 0.1738

Mercury -80092-08-12 00:56 J -27531956.54 -27531956.46 -27531956.39 0.3760 0.2799

Mercury -80088-08-11 03:06 J -27530496.51 -27530496.37 -27530496.24 0.3608 0.0217

Mercury -80082-02-25 03:06 J -27528472.50 -27528472.37 -27528472.25 0.3612 0.1289

Mercury -80077-09-10 02:37 J -27526448.48 -27526448.39 -27526448.31 0.3616 0.2703

Mercury -80069-12-19 07:54 J -27523426.22 -27523426.17 -27523426.13 0.3781 0.3414

Mercury -80063-07-05 01:54 J -27521402.50 -27521402.42 -27521402.34 0.3778 0.2386

Mercury -80057-01-18 20:08 J -27519378.76 -27519378.66 -27519378.56 0.3774 0.1339

Mercury -80052-08-03 14:37 J -27517355.00 -27517354.89 -27517354.78 0.3771 0.0260

Mercury -80046-02-17 09:20 J -27515331.22 -27515331.11 -27515331.00 0.3767 0.0858

Mercury -80042-02-16 01:54 J -27513871.50 -27513871.42 -27513871.34 0.3602 0.2856

Mercury -80041-09-02 04:18 J -27513307.42 -27513307.32 -27513307.23 0.3763 0.2004

Mercury -80037-09-01 02:37 J -27511847.52 -27511847.39 -27511847.27 0.3605 0.1272

Mercury -80035-03-18 23:16 J -27511283.59 -27511283.53 -27511283.47 0.3759 0.3174

Mercury -80031-03-18 02:52 J -27509823.52 -27509823.38 -27509823.25 0.3609 0.0280

Mercury -80026-10-02 02:37 J -27507799.50 -27507799.39 -27507799.27 0.3613 0.1737

Mercury -80020-04-17 02:08 J -27505775.48 -27505775.41 -27505775.35 0.3617 0.3142

Mercury -80012-07-26 05:59 J -27502753.31 -27502753.25 -27502753.19 0.3780 0.3102

Mercury -80006-02-08 23:59 J -27500729.59 -27500729.50 -27500729.41 0.3777 0.2071

Mercury -80001-08-24 18:28 J -27498705.84 -27498705.73 -27498705.63 0.3773 0.1015

80TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 80th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-79995-03-10 12:56 J	-27496682.07	-27496681.96	-27496681.85	0.3769	0.0110		
Mercury	-79990-09-24 07:40 J	-27494658.29	-27494658.18	-27494658.07	0.3766	0.1215		
Mercury	-79986-09-23 01:54 J	-27493198.53	-27493198.42	-27493198.32	0.3602	0.2365		
Mercury	-79984-04-09 02:37 J	-27492634.48	-27492634.39	-27492634.30	0.3762	0.2370		
Mercury	-79980-04-08 02:23 J	-27491174.53	-27491174.40	-27491174.27	0.3606	0.0786		

Mercury -79979-10-23 21:49 J -27490610.63 -27490610.59 -27490610.56 0.3757 0.3557

Mercury -79975-10-23 02:37 J -27489150.52 -27489150.39 -27489150.26 0.3610 0.0741

Mercury -79969-05-08 02:23 J -27487126.51 -27487126.40 -27487126.30 0.3614 0.2192

Mercury -79964-11-22 01:25 J -27485102.45 -27485102.44 -27485102.42 0.3618 0.3580

Mercury -79955-03-02 04:04 J -27482080.40 -27482080.33 -27482080.26 0.3779 0.2791

Mercury -79950-09-15 22:18 J -27480056.67 -27480056.57 -27480056.48 0.3776 0.1747

Mercury -79944-03-31 16:32 J -27478032.92 -27478032.81 -27478032.70 0.3772 0.0673

Mercury -79939-10-15 11:16 J -27476009.14 -27476009.03 -27476008.92 0.3768 0.0448

Mercury -79935-10-14 00:56 J -27474549.49 -27474549.46 -27474549.44 0.3600 0.3503

Mercury -79933-04-30 05:59 J -27473985.35 -27473985.25 -27473985.15 0.3765 0.1579

Mercury -79929-04-29 01:40 J -27472525.54 -27472525.43 -27472525.31 0.3603 0.1877

Mercury -79928-11-14 00:56 J -27471961.53 -27471961.46 -27471961.38 0.3761 0.2750

Mercury -79924-11-13 02:08 J -27470501.54 -27470501.41 -27470501.27 0.3607 0.0318

Mercury -79918-05-30 02:23 J -27468477.53 -27468477.40 -27468477.28 0.3611 0.1205

Mercury -79913-12-13 01:54 J -27466453.51 -27466453.42 -27466453.33 0.3615 0.2637

Mercury -79904-03-23 08:08 J -27463431.20 -27463431.16 -27463431.12 0.3782 0.3499

Mercury -79899-10-07 02:08 J -27461407.49 -27461407.41 -27461407.33 0.3778 0.2469

Mercury -79893-04-21 20:23 J -27459383.75 -27459383.65 -27459383.55 0.3775 0.1410

Mercury -79888-11-05 14:52 J -27457359.99 -27457359.88 -27457359.77 0.3771 0.0323

Mercury -79882-05-22 09:35 J -27455336.21 -27455336.10 -27455335.99 0.3767 0.0804

Mercury -79878-05-21 00:56 J -27453876.54 -27453876.46 -27453876.39 0.3601 0.2996

Mercury -79877-12-05 04:18 J -27453312.41 -27453312.32 -27453312.22 0.3764 0.1949

Mercury -79873-12-04 01:40 J -27451852.56 -27451852.43 -27451852.30 0.3604 0.1386

Mercury -79871-06-20 23:30 J -27451288.58 -27451288.52 -27451288.46 0.3759 0.3129

Mercury -79867-06-20 02:08 J -27449828.55 -27449828.41 -27449828.28 0.3608 0.0212

Mercury -79861-01-04 01:54 J -27447804.54 -27447804.42 -27447804.30 0.3612 0.1662

Mercury -79856-07-20 01:25 J -27445780.51 -27445780.44 -27445780.38 0.3617 0.3079

Mercury -79848-10-28 06:13 J -27442758.30 -27442758.24 -27442758.18 0.3781 0.3184

Mercury -79842-05-14 00:13 J -27440734.58 -27440734.49 -27440734.40 0.3777 0.2148

Mercury -79837-11-26 18:42 J -27438710.83 -27438710.72 -27438710.62 0.3774 0.1077

Mercury -79831-06-12 13:11 J -27436687.06 -27436686.95 -27436686.84 0.3770 0.0058

Mercury -79826-12-27 07:54 J -27434663.28 -27434663.17 -27434663.07 0.3767 0.1161

Mercury -79822-12-26 00:56 J -27433203.56 -27433203.46 -27433203.36 0.3602 0.2497

Mercury -79820-07-12 02:52 J -27432639.47 -27432639.38 -27432639.30 0.3763 0.2327

Mercury -79816-07-11 01:25 J -27431179.57 -27431179.44 -27431179.30 0.3606 0.0909

Mercury -79814-01-25 21:49 J -27430615.63 -27430615.59 -27430615.55 0.3758 0.3509

Mercury -79810-01-25 01:54 J -27429155.56 -27429155.42 -27429155.29 0.3609 0.0655

Mercury -79805-08-10 01:25 J -27427131.54 -27427131.44 -27427131.33 0.3613 0.2112

Mercury -79799-02-24 00:56 J -27425107.49 -27425107.46 -27425107.44 0.3618 0.3522

Mercury -79791-06-04 04:18 J -27422085.39 -27422085.32 -27422085.25 0.3780 0.2866

Mercury -79786-12-18 22:32 J -27420061.66 -27420061.56 -27420061.47 0.3777 0.1816

Mercury -79780-07-03 16:47 J -27418037.91 -27418037.80 -27418037.69 0.3773 0.0739

Mercury -79774-01-17 11:16 J -27416014.14 -27416014.03 -27416013.91 0.3769 0.0400

Mercury -79769-08-02 06:13 J -27413990.35 -27413990.24 -27413990.14 0.3766 0.1526

Mercury -79765-08-01 00:42 J -27412530.58 -27412530.47 -27412530.36 0.3603 0.2012

Mercury -79763-02-16 01:11 J -27411966.53 -27411966.45 -27411966.38 0.3761 0.2698

Mercury -79759-02-15 01:25 J -27410506.58 -27410506.44 -27410506.31 0.3607 0.0421

Mercury -79754-09-01 01:25 J -27408482.57 -27408482.44 -27408482.31 0.3610 0.1103

Mercury -79748-03-17 01:11 J -27406458.55 -27406458.45 -27406458.36 0.3615 0.2569

Mercury -79740-06-25 08:23 J -27403436.18 -27403436.15 -27403436.12 0.3782 0.3577

Mercury -79734-01-09 02:23 J -27401412.48 -27401412.40 -27401412.32 0.3779 0.2551

Mercury -79729-07-24 20:37 J -27399388.74 -27399388.64 -27399388.54 0.3776 0.1483

Mercury -79723-02-07 15:06 J -27397364.98 -27397364.87 -27397364.76 0.3772 0.0402

Mercury -79718-08-24 09:35 J -27395341.21 -27395341.10 -27395340.99 0.3768 0.0739

Mercury -79714-08-22 23:44 J -27393881.57 -27393881.51 -27393881.44 0.3600 0.3156

Mercury -79712-03-09 04:32 J -27393317.41 -27393317.31 -27393317.22 0.3764 0.1892

Mercury -79708-03-08 00:42 J -27391857.59 -27391857.47 -27391857.35 0.3604 0.1513

Mercury -79707-09-22 23:30 J -27391293.58 -27391293.52 -27391293.46 0.3760 0.3077

Mercury -79703-09-22 01:11 J -27389833.59 -27389833.45 -27389833.32 0.3607 0.0076

Mercury -79697-04-07 01:11 J -27387809.57 -27387809.45 -27387809.33 0.3611 0.1575

Mercury -79692-10-22 00:42 J -27385785.54 -27385785.47 -27385785.40 0.3616 0.3023

Mercury -79683-01-30 06:28 J -27382763.28 -27382763.23 -27382763.18 0.3781 0.3268

Mercury -79678-08-16 00:28 J -27380739.56 -27380739.48 -27380739.39 0.3778 0.2227

Mercury -79672-02-28 18:56 J -27378715.82 -27378715.71 -27378715.61 0.3775 0.1158

Mercury -79667-09-14 13:11 J -27376692.06 -27376691.95 -27376691.83 0.3771 0.0147

Mercury -79661-03-30 07:54 J -27374668.28 -27374668.17 -27374668.06 0.3767 0.1100

Mercury -79657-03-28 23:44 J -27373208.60 -27373208.51 -27373208.42 0.3601 0.2649

Mercury -79656-10-14 02:52 J -27372644.47 -27372644.38 -27372644.29 0.3763 0.2268

Mercury -79652-10-13 00:42 J -27371184.60 -27371184.47 -27371184.34 0.3605 0.1015

Mercury -79650-04-29 21:49 J -27370620.63 -27370620.59 -27370620.54 0.3759 0.3470

Mercury -79646-04-29 00:56 J -27369160.59 -27369160.46 -27369160.33 0.3608 0.0543

Mercury -79641-11-12 00:42 J -27367136.58 -27367136.47 -27367136.36 0.3613 0.2045

Mercury -79635-05-29 00:13 J -27365112.52 -27365112.49 -27365112.46 0.3617 0.3476

Mercury -79627-09-06 04:32 J -27362090.38 -27362090.31 -27362090.24 0.3780 0.2948

Mercury -79621-03-21 22:47 J -27360066.65 -27360066.55 -27360066.46 0.3777 0.1893

Mercury -79616-10-05 17:01 J -27358042.90 -27358042.79 -27358042.68 0.3774 0.0802

Mercury -79610-04-21 11:30 J -27356019.13 -27356019.02 -27356018.91 0.3770 0.0326

Mercury -79605-11-04 06:13 J -27353995.34 -27353995.24 -27353995.13 0.3766 0.1470

Mercury -79601-11-02 23:44 J -27352535.61 -27352535.51 -27352535.40 0.3602 0.2138

Mercury -79599-05-21 01:11 J -27351971.53 -27351971.45 -27351971.37 0.3762 0.2651

Mercury -79595-05-20 00:28 J -27350511.61 -27350511.48 -27350511.34 0.3606 0.0526

Mercury -79590-12-04 00:42 J -27348487.60 -27348487.47 -27348487.34 0.3610 0.1024

Mercury -79584-06-19 00:28 J -27346463.57 -27346463.48 -27346463.39 0.3614 0.2509

Mercury -79576-09-27 08:37 J -27343441.16 -27343441.14 -27343441.11 0.3783 0.3663

Mercury -79570-04-13 02:37 J -27341417.46 -27341417.39 -27341417.31 0.3780 0.2625

Mercury -79565-10-26 20:52 J -27339393.73 -27339393.63 -27339393.53 0.3776 0.1554

Mercury -79559-05-12 15:20 J -27337369.97 -27337369.86 -27337369.75 0.3773 0.0453

Mercury -79554-11-26 09:49 J -27335346.20 -27335346.09 -27335345.98 0.3769 0.0686

Mercury -79550-11-24 22:47 J -27333886.60 -27333886.55 -27333886.49 0.3599 0.3298

Mercury -79548-06-11 04:32 J -27333322.40 -27333322.31 -27333322.21 0.3765 0.1850

Mercury -79544-06-09 23:59 J -27331862.63 -27331862.50 -27331862.38 0.3603 0.1632

Mercury -79543-12-25 23:30 J -27331298.58 -27331298.52 -27331298.45 0.3761 0.3040

Mercury -79539-12-25 00:28 J -27329838.62 -27329838.48 -27329838.35 0.3607 0.0126

Mercury -79533-07-10 00:28 J -27327814.60 -27327814.48 -27327814.36 0.3611 0.1500

Mercury -79527-01-23 23:59 J -27325790.57 -27325790.50 -27325790.42 0.3615 0.2969

Mercury -79519-05-04 06:42 J -27322768.26 -27322768.22 -27322768.17 0.3782 0.3345

Mercury -79514-11-18 00:56 J -27320744.55 -27320744.46 -27320744.38 0.3779 0.2293

Mercury -79508-06-02 19:11 J -27318720.81 -27318720.70 -27318720.60 0.3775 0.1215

Mercury -79503-12-17 13:25 J -27316697.05 -27316696.94 -27316696.82 0.3772 0.0169

Mercury -79497-07-02 08:08 J -27314673.27 -27314673.16 -27314673.05 0.3768 0.1049

Mercury -79493-06-30 22:47 J -27313213.63 -27313213.55 -27313213.46 0.3600 0.2785

Mercury -79491-01-16 02:52 J -27312649.47 -27312649.38 -27312649.29 0.3764 0.2222

Mercury -79487-01-14 23:44 J -27311189.64 -27311189.51 -27311189.38 0.3604 0.1124

Mercury -79486-08-01 22:04 J -27310625.63 -27310625.58 -27310625.54 0.3760 0.3428

Mercury -79482-07-31 23:59 J -27309165.63 -27309165.50 -27309165.36 0.3608 0.0454

Mercury -79476-02-13 23:59 J -27307141.61 -27307141.50 -27307141.39 0.3612 0.1972

Mercury -79471-08-30 23:30 J -27305117.56 -27305117.52 -27305117.48 0.3616 0.3418

Mercury -79463-12-09 04:47 J -27302095.36 -27302095.30 -27302095.23 0.3781 0.3026

Mercury -79457-06-23 23:01 J -27300071.63 -27300071.54 -27300071.45 0.3778 0.1956

Mercury -79451-01-07 17:16 J -27298047.89 -27298047.78 -27298047.67 0.3775 0.0867

Mercury -79446-07-24 11:44 J -27296024.12 -27296024.01 -27296023.90 0.3771 0.0266

Mercury -79440-02-06 06:28 J -27294000.34 -27294000.23 -27294000.13 0.3767 0.1416

Mercury -79436-02-04 23:01 J -27292540.65 -27292540.54 -27292540.44 0.3601 0.2268

Mercury -79435-08-23 01:25 J -27291976.52 -27291976.44 -27291976.36 0.3763 0.2606

Mercury -79431-08-21 23:30 J -27290516.65 -27290516.52 -27290516.38 0.3605 0.0638

Mercury -79425-03-06 23:44 J -27288492.64 -27288492.51 -27288492.38 0.3609 0.0941

Mercury -79420-09-20 23:44 J -27286468.61 -27286468.51 -27286468.42 0.3613 0.2438

Mercury -79412-12-30 09:06 J -27283446.14 -27283446.12 -27283446.11 0.3784 0.3745

Mercury -79406-07-16 03:06 J -27281422.45 -27281422.37 -27281422.30 0.3780 0.2695

Mercury -79400-01-28 21:06 J -27279398.72 -27279398.62 -27279398.52 0.3777 0.1622

Mercury -79395-08-14 15:35 J -27277374.96 -27277374.85 -27277374.74 0.3774 0.0528

Mercury -79389-02-28 10:04 J -27275351.19 -27275351.08 -27275350.97 0.3770 0.0628

Mercury -79385-02-26 21:49 J -27273891.63 -27273891.59 -27273891.56 0.3599 0.3449

Mercury -79384-09-13 04:47 J -27273327.40 -27273327.30 -27273327.20 0.3766 0.1793

Mercury -79380-09-11 22:47 J -27271867.67 -27271867.55 -27271867.43 0.3602 0.1760

Mercury -79378-03-29 23:44 J -27271303.58 -27271303.51 -27271303.45 0.3762 0.2990

Mercury -79374-03-28 23:16 J -27269843.66 -27269843.53 -27269843.39 0.3606 0.0185

Mercury -79369-10-11 23:30 J -27267819.64 -27267819.52 -27267819.39 0.3610 0.1426

Mercury -79363-04-27 23:16 J -27265795.61 -27265795.53 -27265795.45 0.3614 0.2906

Mercury -79355-08-06 07:11 J -27262773.25 -27262773.20 -27262773.16 0.3783 0.3425

Mercury -79349-02-20 01:11 J -27260749.54 -27260749.45 -27260749.37 0.3779 0.2368

Mercury -79344-09-04 19:11 J -27258725.80 -27258725.70 -27258725.59 0.3776 0.1288

Mercury -79338-03-21 13:40 J -27256702.04 -27256701.93 -27256701.82 0.3772 0.0169

Mercury -79333-10-04 08:23 J -27254678.26 -27254678.15 -27254678.05 0.3769 0.1000

Mercury -79329-10-02 21:49 J -27253218.67 -27253218.59 -27253218.51 0.3599 0.2918

Mercury -79327-04-20 03:06 J -27252654.46 -27252654.37 -27252654.28 0.3765 0.2176

Mercury -79323-04-18 22:47 J -27251194.68 -27251194.55 -27251194.42 0.3603 0.1247

Mercury -79322-11-03 22:04 J -27250630.62 -27250630.58 -27250630.53 0.3761 0.3389

Mercury -79318-11-02 23:16 J -27249170.66 -27249170.53 -27249170.40 0.3607 0.0366

Mercury -79312-05-18 23:16 J -27247146.64 -27247146.53 -27247146.42 0.3611 0.1904

Mercury -79307-12-02 22:47 J -27245122.59 -27245122.55 -27245122.50 0.3615 0.3376

Mercury -79298-03-13 05:16 J -27242100.34 -27242100.28 -27242100.22 0.3782 0.3099

Mercury -79293-09-25 23:16 J -27240076.62 -27240076.53 -27240076.44 0.3778 0.2026

Mercury -79287-04-11 17:30 J -27238052.88 -27238052.77 -27238052.66 0.3775 0.0925

Mercury -79282-10-26 11:59 J -27236029.11 -27236029.00 -27236028.89 0.3771 0.0207

Mercury -79276-05-11 06:42 J -27234005.33 -27234005.22 -27234005.12 0.3768 0.1377

Mercury -79272-05-09 22:04 J -27232545.69 -27232545.58 -27232545.48 0.3600 0.2396

Mercury -79271-11-25 01:25 J -27231981.52 -27231981.44 -27231981.36 0.3764 0.2565

Mercury -79267-11-23 22:47 J -27230521.69 -27230521.55 -27230521.42 0.3604 0.0745

Mercury -79261-06-08 23:01 J -27228497.67 -27228497.54 -27228497.41 0.3608 0.0864

Mercury -79256-12-23 23:01 J -27226473.64 -27226473.54 -27226473.44 0.3612 0.2383

Mercury -79242-10-18 03:20 J -27221427.44 -27221427.36 -27221427.29 0.3781 0.2767

Mercury -79236-05-02 21:20 J -27219403.71 -27219403.61 -27219403.51 0.3778 0.1685

Mercury -79231-11-16 15:49 J -27217379.95 -27217379.84 -27217379.73 0.3774 0.0581

Mercury -79225-06-01 10:18 J -27215356.18 -27215356.07 -27215355.96 0.3770 0.0583

Mercury -79221-05-30 20:52 J -27213896.64 -27213896.63 -27213896.62 0.3598 0.3582

Mercury -79220-12-16 05:01 J -27213332.39 -27213332.29 -27213332.19 0.3767 0.1754

Mercury -79216-12-14 21:49 J -27211872.70 -27211872.59 -27211872.47 0.3601 0.1876

Mercury -79214-07-01 23:44 J -27211308.57 -27211308.51 -27211308.44 0.3763 0.2961

Mercury -79210-06-30 22:32 J -27209848.69 -27209848.56 -27209848.42 0.3605 0.0232

Mercury -79204-01-13 22:47 J -27207824.67 -27207824.55 -27207824.42 0.3609 0.1353

Mercury -79199-07-30 22:32 J -27205800.64 -27205800.56 -27205800.48 0.3613 0.2853

Mercury -79191-11-08 07:25 J -27202778.23 -27202778.19 -27202778.15 0.3783 0.3494

Mercury -79185-05-24 01:25 J -27200754.52 -27200754.44 -27200754.36 0.3780 0.2430

Mercury -79180-12-07 19:40 J -27198730.79 -27198730.68 -27198730.58 0.3777 0.1337

Mercury -79174-06-23 13:54 J -27196707.03 -27196706.92 -27196706.81 0.3773 0.0225

Mercury -79168-01-06 08:23 J -27194683.25 -27194683.15 -27194683.04 0.3770 0.0956

Mercury -79164-01-04 20:52 J -27193223.70 -27193223.63 -27193223.56 0.3599 0.3048

Mercury -79163-07-23 03:20 J -27192659.46 -27192659.36 -27192659.27 0.3766 0.2139

Mercury -79159-07-21 21:49 J -27191199.72 -27191199.59 -27191199.46 0.3603 0.1363

Mercury -79157-02-05 22:18 J -27190635.62 -27190635.57 -27190635.53 0.3762 0.3354

Mercury -79153-02-04 22:18 J -27189175.70 -27189175.57 -27189175.43 0.3606 0.0305

Mercury -79148-08-20 22:18 J -27187151.68 -27187151.57 -27187151.45 0.3610 0.1832

Mercury -79142-03-06 22:04 J -27185127.63 -27185127.58 -27185127.53 0.3614 0.3327

Mercury -79134-06-15 05:30 J -27182105.33 -27182105.27 -27182105.21 0.3782 0.3164

Mercury -79129-12-28 23:30 J -27180081.61 -27180081.52 -27180081.43 0.3779 0.2093

Mercury -79123-07-14 17:44 J -27178057.87 -27178057.76 -27178057.65 0.3776 0.0982

Mercury -79117-01-28 12:13 J -27176034.11 -27176033.99 -27176033.88 0.3772 0.0198

Mercury -79112-08-13 06:42 J -27174010.32 -27174010.22 -27174010.11 0.3769 0.1325

Mercury -79108-08-11 20:52 J -27172550.73 -27172550.63 -27172550.53 0.3600 0.2528

Mercury -79106-02-27 01:40 J -27171986.52 -27171986.43 -27171986.35 0.3765 0.2525

Mercury -79102-02-25 21:49 J -27170526.73 -27170526.59 -27170526.46 0.3604 0.0845

Mercury -79101-09-11 20:37 J -27169962.64 -27169962.64 -27169962.64 0.3761 0.3753

Mercury -79097-09-10 22:04 J -27168502.71 -27168502.58 -27168502.44 0.3607 0.0775

Mercury -79091-03-27 22:04 J -27166478.68 -27166478.58 -27166478.48 0.3611 0.2319

Mercury -79077-01-20 03:35 J -27161432.42 -27161432.35 -27161432.28 0.3782 0.2838

Mercury -79072-08-04 21:35 J -27159408.69 -27159408.60 -27159408.50 0.3779 0.1751

Mercury -79066-02-18 15:49 J -27157384.94 -27157384.84 -27157384.73 0.3775 0.0645

Mercury -79061-09-03 10:18 J -27155361.18 -27155361.07 -27155360.96 0.3771 0.0538

Mercury -79055-03-20 05:01 J -27153337.39 -27153337.29 -27153337.19 0.3767 0.1703

Mercury -79051-03-18 20:52 J -27151877.74 -27151877.63 -27151877.52 0.3601 0.1999

Mercury -79050-10-03 23:59 J -27151313.57 -27151313.50 -27151313.43 0.3763 0.2919

Mercury -79046-10-02 21:35 J -27149853.73 -27149853.60 -27149853.46 0.3604 0.0343

Mercury -79040-04-17 21:49 J -27147829.71 -27147829.59 -27147829.46 0.3608 0.1272

Mercury -79035-11-01 21:49 J -27145805.67 -27145805.59 -27145805.51 0.3612 0.2807

Mercury -79026-02-10 07:40 J -27142783.21 -27142783.18 -27142783.15 0.3784 0.3568

Mercury -79021-08-26 01:40 J -27140759.51 -27140759.43 -27140759.35 0.3781 0.2500

Mercury -79015-03-11 19:54 J -27138735.78 -27138735.67 -27138735.57 0.3777 0.1404

Mercury -79010-09-25 14:08 J -27136712.02 -27136711.91 -27136711.80 0.3774 0.0267

Mercury -79004-04-10 08:37 J -27134688.25 -27134688.14 -27134688.03 0.3770 0.0900

79TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 79th millennium BCE.

PLANET	MAX- TRANSIT	C	START	MAX	END	SUNRAD	DEPTH	S
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TIME

Mercury -79000-04-08 19:40 J -27133228.74 -27133228.68 -27133228.61 0.3598 0.3195

Mercury -78999-10-25 03:20 J -27132664.45 -27132664.36 -27132664.27 0.3766 0.2093

Mercury -78995-10-23 20:52 J -27131204.75 -27131204.63 -27131204.50 0.3602 0.1467

Mercury -78993-05-09 22:18 J -27130640.62 -27130640.57 -27130640.52 0.3762 0.3320

Mercury -78989-05-08 21:35 J -27129180.74 -27129180.60 -27129180.47 0.3605 0.0194

Mercury -78984-11-22 21:35 J -27127156.71 -27127156.60 -27127156.48 0.3609 0.1772

Mercury -78978-06-08 21:20 J -27125132.66 -27125132.61 -27125132.55 0.3614 0.3293

Mercury -78970-09-17 05:44 J -27122110.31 -27122110.26 -27122110.20 0.3783 0.3238

Mercury -78964-04-01 23:44 J -27120086.60 -27120086.51 -27120086.42 0.3780 0.2157

Mercury -78959-10-16 17:59 J -27118062.86 -27118062.75 -27118062.64 0.3776 0.1041

Mercury -78953-05-01 12:28 J -27116039.10 -27116038.98 -27116038.87 0.3773 0.0169

Mercury -78948-11-15 06:56 J -27114015.31 -27114015.21 -27114015.10 0.3769 0.1281

Mercury -78944-11-13 19:54 J -27112555.76 -27112555.67 -27112555.58 0.3599 0.2649

Mercury -78942-06-01 01:40 J -27111991.51 -27111991.43 -27111991.34 0.3765 0.2492

Mercury -78938-05-30 20:52 J -27110531.76 -27110531.63 -27110531.50 0.3603 0.0938

Mercury -78937-12-14 20:37 J -27109967.65 -27109967.64 -27109967.62 0.3761 0.3732

Mercury -78933-12-13 21:20 J -27108507.74 -27108507.61 -27108507.48 0.3606 0.0695

Mercury -78927-06-29 21:20 J -27106483.71 -27106483.61 -27106483.50 0.3611 0.2268

Mercury -78913-04-23 03:49 J -27101437.41 -27101437.34 -27101437.27 0.3782 0.2901

Mercury -78908-11-06 22:04 J -27099413.68 -27099413.58 -27099413.49 0.3779 0.1809

Mercury -78902-05-23 16:18 J -27097389.93 -27097389.82 -27097389.72 0.3776 0.0694

Mercury -78897-12-06 10:32 J -27095366.17 -27095366.06 -27095365.95 0.3772 0.0497

Mercury -78891-06-22 05:16 J -27093342.38 -27093342.28 -27093342.18 0.3768 0.1667

Mercury -78887-06-20 19:54 J -27091882.78 -27091882.67 -27091882.56 0.3600 0.2111

Mercury -78885-01-05 23:59 J -27091318.57 -27091318.50 -27091318.43 0.3764 0.2888

Mercury -78881-01-04 20:52 J -27089858.77 -27089858.63 -27089858.50 0.3604 0.0418

Mercury -78876-07-20 21:06 J -27087834.75 -27087834.62 -27087834.49 0.3608 0.1198

Mercury -78870-02-03 21:06 J -27085810.70 -27085810.62 -27085810.54 0.3612 0.2760

Mercury -78862-05-15 08:08 J -27082788.19 -27082788.16 -27082788.14 0.3784 0.3637

Mercury -78857-11-28 01:54 J -27080764.50 -27080764.42 -27080764.34 0.3781 0.2561

Mercury -78851-06-13 20:08 J -27078740.76 -27078740.66 -27078740.56 0.3778 0.1451

Mercury -78846-12-28 14:23 J -27076717.01 -27076716.90 -27076716.79 0.3775 0.0315

Mercury -78840-07-13 08:52 J -27074693.24 -27074693.13 -27074693.02 0.3771 0.0861

Mercury -78836-07-11 18:42 J -27073233.77 -27073233.72 -27073233.67 0.3597 0.3326

Mercury -78834-01-27 03:35 J -27072669.45 -27072669.35 -27072669.26 0.3767 0.2056

Mercury -78830-01-25 19:54 J -27071209.79 -27071209.67 -27071209.54 0.3601 0.1573

Mercury -78829-08-11 22:32 J -27070645.62 -27070645.56 -27070645.51 0.3763 0.3293

Mercury -78825-08-10 20:37 J -27069185.78 -27069185.64 -27069185.51 0.3605 0.0105

Mercury -78819-02-24 20:52 J -27067161.75 -27067161.63 -27067161.51 0.3609 0.1706

Mercury -78814-09-10 20:37 J -27065137.70 -27065137.64 -27065137.58 0.3613 0.3237

Mercury -78806-12-20 06:13 J -27062115.29 -27062115.24 -27062115.19 0.3784 0.3305

Mercury -78800-07-05 00:13 J -27060091.58 -27060091.49 -27060091.41 0.3781 0.2214

Mercury -78794-01-18 18:13 J -27058067.84 -27058067.74 -27058067.63 0.3777 0.1096

Mercury -78789-08-03 12:42 J -27056044.09 -27056043.97 -27056043.86 0.3774 0.0150

Mercury -78783-02-17 07:11 J -27054020.31 -27054020.20 -27054020.10 0.3770 0.1243

Mercury -78779-02-15 18:56 J -27052560.80 -27052560.71 -27052560.63 0.3598 0.2779

Mercury -78778-09-03 01:54 J -27051996.51 -27051996.42 -27051996.34 0.3766 0.2453

Mercury -78774-09-01 19:54 J -27050536.80 -27050536.67 -27050536.54 0.3602 0.1050

Mercury -78772-03-18 20:52 J -27049972.65 -27049972.63 -27049972.62 0.3762 0.3696

Mercury -78768-03-17 20:23 J -27048512.78 -27048512.65 -27048512.51 0.3606 0.0614

Mercury -78763-10-01 20:37 J -27046488.75 -27046488.64 -27046488.54 0.3610 0.2207

Mercury -78749-07-26 04:04 J -27041442.39 -27041442.33 -27041442.26 0.3783 0.2968

Mercury -78743-02-08 22:18 J -27039418.67 -27039418.57 -27039418.48 0.3780 0.1871

Mercury -78738-08-25 16:18 J -27037394.92 -27037394.82 -27037394.71 0.3776 0.0744

Mercury -78732-03-10 10:47 J -27035371.16 -27035371.05 -27035370.94 0.3773 0.0431

Mercury -78727-09-24 05:16 J -27033347.38 -27033347.28 -27033347.18 0.3769 0.1632

Mercury -78723-09-22 18:56 J -27031887.82 -27031887.71 -27031887.60 0.3599 0.2233

Mercury -78721-04-09 00:13 J -27031323.56 -27031323.49 -27031323.42 0.3765 0.2852

Mercury -78717-04-07 19:40 J -27029863.81 -27029863.68 -27029863.54 0.3603 0.0530

Mercury -78712-10-22 20:23 J -27027839.78 -27027839.65 -27027839.53 0.3607 0.1140

Mercury -78706-05-08 20:23 J -27025815.74 -27025815.65 -27025815.57 0.3611 0.2709

Mercury -78698-08-17 08:23 J -27022793.17 -27022793.15 -27022793.13 0.3785 0.3707

Mercury -78692-03-02 02:08 J -27020769.48 -27020769.41 -27020769.33 0.3782 0.2628

Mercury -78687-09-15 20:23 J -27018745.75 -27018745.65 -27018745.55 0.3779 0.1511

Mercury -78681-03-31 14:37 J -27016722.00 -27016721.89 -27016721.78 0.3775 0.0365

Mercury -78676-10-15 09:06 J -27014698.23 -27014698.12 -27014698.01 0.3772 0.0818

Mercury -78672-10-13 17:44 J -27013238.80 -27013238.76 -27013238.73 0.3596 0.3455

Mercury -78670-05-01 03:35 J -27012674.44 -27012674.35 -27012674.25 0.3768 0.2031

Mercury -78666-04-29 18:56 J -27011214.83 -27011214.71 -27011214.59 0.3600 0.1686

Mercury -78665-11-13 22:32 J -27010650.61 -27010650.56 -27010650.51 0.3764 0.3262

Mercury -78661-11-12 19:40 J -27009190.81 -27009190.68 -27009190.54 0.3604 0.0062

Mercury -78655-05-29 20:08 J -27007166.78 -27007166.66 -27007166.54 0.3608 0.1651

Mercury -78650-12-13 19:54 J -27005142.73 -27005142.67 -27005142.61 0.3612 0.3203

Mercury -78641-03-23 06:28 J -27002120.28 -27002120.23 -27002120.19 0.3784 0.3370

Mercury -78636-10-07 00:28 J -27000096.57 -27000096.48 -27000096.40 0.3781 0.2275

Mercury -78630-04-22 18:28 J -26998072.83 -26998072.73 -26998072.62 0.3778 0.1146

Mercury -78625-11-05 12:42 J -26996049.08 -26996048.97 -26996048.85 0.3774 0.0151

Mercury -78619-05-22 07:11 J -26994025.30 -26994025.20 -26994025.09 0.3771 0.1213

Mercury -78615-05-20 17:44 J -26992565.84 -26992565.76 -26992565.67 0.3597 0.2897

Mercury -78614-12-06 02:08 J -26992001.50 -26992001.41 -26992001.33 0.3767 0.2430

Mercury -78610-12-04 18:56 J -26990541.84 -26990541.71 -26990541.58 0.3601 0.1142

Mercury -78608-06-20 20:52 J -26989977.65 -26989977.63 -26989977.61 0.3763 0.3678

Mercury -78604-06-19 19:40 J -26988517.82 -26988517.68 -26988517.55 0.3605 0.0548

Mercury -78598-01-03 19:54 J -26986493.78 -26986493.67 -26986493.57 0.3609 0.2161

Mercury -78585-10-28 04:32 J -26981447.38 -26981447.31 -26981447.25 0.3784 0.3027

Mercury -78579-05-13 22:32 J -26979423.66 -26979423.56 -26979423.47 0.3780 0.1917

Mercury -78574-11-27 16:47 J -26977399.91 -26977399.80 -26977399.70 0.3777 0.0785

Mercury -78568-06-12 11:01 J -26975376.15 -26975376.04 -26975375.93 0.3773 0.0396

Mercury -78563-12-27 05:30 J -26973352.37 -26973352.27 -26973352.17 0.3770 0.1601

Mercury -78559-12-25 17:59 J -26971892.85 -26971892.75 -26971892.65 0.3598 0.2339

Mercury -78557-07-12 00:28 J -26971328.56 -26971328.48 -26971328.41 0.3766 0.2833

Mercury -78553-07-10 18:56 J -26969868.85 -26969868.71 -26969868.58 0.3602 0.0608

Mercury -78547-01-24 19:25 J -26967844.82 -26967844.69 -26967844.56 0.3606 0.1074

Mercury -78542-08-10 19:25 J -26965820.78 -26965820.69 -26965820.60 0.3610 0.2658

Mercury -78534-11-19 08:37 J -26962798.14 -26962798.14 -26962798.13 0.3786 0.3769

Mercury -78528-06-04 02:37 J -26960774.47 -26960774.39 -26960774.32 0.3783 0.2677

Mercury -78523-12-18 20:37 J -26958750.74 -26958750.64 -26958750.54 0.3780 0.1557

Mercury -78517-07-03 14:52 J -26956726.99 -26956726.88 -26956726.77 0.3776 0.0403

Mercury -78511-01-17 09:20 J -26954703.22 -26954703.11 -26954703.01 0.3773 0.0787

Mercury -78507-01-15 16:32 J -26953243.81 -26953243.81 -26953243.80 0.3596 0.3584

Mercury -78506-08-03 03:49 J -26952679.43 -26952679.34 -26952679.24 0.3769 0.1996

Mercury -78502-08-01 17:59 J -26951219.87 -26951219.75 -26951219.63 0.3599 0.1797

Mercury -78500-02-15 22:32 J -26950655.61 -26950655.56 -26950655.50 0.3765 0.3236

Mercury -78496-02-14 18:42 J -26949195.85 -26949195.72 -26949195.58 0.3603 0.0130

Mercury -78491-08-31 19:11 J -26947171.82 -26947171.70 -26947171.58 0.3607 0.1582

Mercury -78485-03-16 19:11 J -26945147.76 -26945147.70 -26945147.64 0.3611 0.3164

Mercury -78477-06-25 06:42 J -26942125.26 -26942125.22 -26942125.17 0.3785 0.3428

Mercury -78471-01-09 00:42 J -26940101.56 -26940101.47 -26940101.39 0.3782 0.2330

Mercury -78466-07-25 18:42 J -26938077.82 -26938077.72 -26938077.61 0.3779 0.1196

Mercury -78460-02-07 12:56 J -26936054.07 -26936053.96 -26936053.85 0.3775 0.0084

Mercury -78455-08-24 07:25 J -26934030.29 -26934030.19 -26934030.08 0.3772 0.1168

Mercury -78451-08-22 16:47 J -26932570.88 -26932570.80 -26932570.73 0.3597 0.3028

Mercury -78449-03-09 02:08 J -26932006.50 -26932006.41 -26932006.32 0.3768 0.2392

Mercury -78445-03-07 17:59 J -26930546.88 -26930546.75 -26930546.62 0.3600 0.1245

Mercury -78444-09-22 21:06 J -26929982.65 -26929982.62 -26929982.60 0.3764 0.3653

Mercury -78440-09-21 18:42 J -26928522.86 -26928522.72 -26928522.59 0.3604 0.0465

Mercury -78434-04-07 18:56 J -26926498.82 -26926498.71 -26926498.60 0.3608 0.2100

Mercury -78420-01-30 04:47 J -26921452.36 -26921452.30 -26921452.24 0.3784 0.3087

Mercury -78415-08-15 22:47 J -26919428.64 -26919428.55 -26919428.46 0.3781 0.1971

Mercury -78409-02-29 16:47 J -26917404.90 -26917404.80 -26917404.69 0.3778 0.0841

Mercury -78404-09-14 11:16 J -26915381.14 -26915381.03 -26915380.92 0.3774 0.0357

Mercury -78398-03-31 05:44 J -26913357.36 -26913357.26 -26913357.16 0.3770 0.1559

Mercury -78394-03-29 16:47 J -26911897.90 -26911897.80 -26911897.70 0.3598 0.2461

Mercury -78393-10-14 00:28 J -26911333.55 -26911333.48 -26911333.41 0.3767 0.2800

Mercury -78389-10-12 17:59 J -26909873.89 -26909873.75 -26909873.62 0.3601 0.0695

Mercury -78383-04-28 18:28 J -26907849.86 -26907849.73 -26907849.60 0.3605 0.0999

Mercury -78378-11-12 18:42 J -26905825.81 -26905825.72 -26905825.63 0.3609 0.2621

Mercury -78364-09-06 02:52 J -26900779.45 -26900779.38 -26900779.31 0.3784 0.2738

Mercury -78358-03-22 20:52 J -26898755.73 -26898755.63 -26898755.53 0.3780 0.1611

Mercury -78353-10-05 15:06 J -26896731.98 -26896731.87 -26896731.76 0.3777 0.0452

Mercury -78347-04-21 09:20 J -26894708.21 -26894708.11 -26894708.00 0.3773 0.0755

Mercury -78342-11-05 04:04 J -26892684.43 -26892684.33 -26892684.24 0.3769 0.1962

Mercury -78338-11-03 17:01 J -26891224.91 -26891224.79 -26891224.68 0.3599 0.1894

Mercury -78336-05-20 22:47 J -26890660.60 -26890660.55 -26890660.49 0.3766 0.3217

Mercury -78332-05-19 17:59 J -26889200.89 -26889200.75 -26889200.62 0.3602 0.0159

Mercury -78327-12-03 18:28 J -26887176.86 -26887176.73 -26887176.61 0.3606 0.1533

Mercury -78321-06-18 18:28 J -26885152.79 -26885152.73 -26885152.67 0.3610 0.3139

Mercury -78313-09-27 06:56 J -26882130.24 -26882130.21 -26882130.17 0.3786 0.3493

Mercury -78307-04-13 00:56 J -26880106.54 -26880106.46 -26880106.38 0.3783 0.2381

Mercury -78302-10-27 18:56 J -26878082.81 -26878082.71 -26878082.60 0.3779 0.1246

Mercury -78296-05-12 13:11 J -26876059.06 -26876058.95 -26876058.84 0.3776 0.0127

Mercury -78291-11-26 07:40 J -26874035.28 -26874035.18 -26874035.07 0.3772 0.1140

Mercury -78287-11-24 15:35 J -26872575.91 -26872575.85 -26872575.78 0.3596 0.3143

Mercury -78285-06-11 02:23 J -26872011.49 -26872011.40 -26872011.32 0.3768 0.2371

Mercury -78281-06-09 17:01 J -26870551.92 -26870551.79 -26870551.66 0.3600 0.1332

Mercury -78280-12-25 21:06 J -26869987.64 -26869987.62 -26869987.59 0.3765 0.3640

Mercury -78276-12-24 17:44 J -26868527.89 -26868527.76 -26868527.62 0.3603 0.0408

Mercury -78270-07-10 18:13 J -26866503.85 -26866503.74 -26866503.63 0.3607 0.2056

Mercury -78256-05-04 05:01 J -26861457.34 -26861457.29 -26861457.23 0.3785 0.3142

Mercury -78251-11-17 23:01 J -26859433.63 -26859433.54 -26859433.45 0.3782 0.2019

Mercury -78245-06-02 17:16 J -26857409.89 -26857409.78 -26857409.68 0.3778 0.0871

Mercury -78240-12-17 11:30 J -26855386.13 -26855386.02 -26855385.91 0.3775 0.0322

Mercury -78234-07-03 05:59 J -26853362.35 -26853362.25 -26853362.15 0.3771 0.1535

Mercury -78230-07-01 15:49 J -26851902.94 -26851902.84 -26851902.74 0.3597 0.2568

Mercury -78228-01-16 00:42 J -26851338.55 -26851338.47 -26851338.40 0.3768 0.2779

Mercury -78224-01-14 17:01 J -26849878.92 -26849878.79 -26849878.66 0.3601 0.0774

Mercury -78219-07-31 17:30 J -26847854.90 -26847854.77 -26847854.63 0.3604 0.0941

Mercury -78213-02-14 17:59 J -26845830.85 -26845830.75 -26845830.66 0.3609 0.2583

Mercury -78200-12-09 03:06 J -26840784.44 -26840784.37 -26840784.29 0.3784 0.2790

Mercury -78194-06-24 21:06 J -26838760.71 -26838760.62 -26838760.52 0.3781 0.1657

Mercury -78188-01-07 15:20 J -26836736.97 -26836736.86 -26836736.75 0.3778 0.0491

Mercury -78183-07-24 09:35 J -26834713.20 -26834713.10 -26834712.99 0.3774 0.0731

Mercury -78177-02-07 04:18 J -26832689.42 -26832689.32 -26832689.23 0.3770 0.1940

Mercury -78173-02-05 15:49 J -26831229.95 -26831229.84 -26831229.72 0.3598 0.2000

Mercury -78172-08-22 23:01 J -26830665.60 -26830665.54 -26830665.49 0.3767 0.3198

Mercury -78168-08-21 16:47 J -26829205.93 -26829205.80 -26829205.66 0.3602 0.0256

Mercury -78162-03-07 17:30 J -26827181.89 -26827181.77 -26827181.65 0.3606 0.1470

Mercury -78157-09-20 17:30 J -26825157.83 -26825157.77 -26825157.70 0.3609 0.3094

Mercury -78149-12-30 07:25 J -26822135.23 -26822135.19 -26822135.16 0.3787 0.3547

Mercury -78143-07-16 01:11 J -26820111.53 -26820111.45 -26820111.36 0.3783 0.2431

Mercury -78137-01-29 19:11 J -26818087.80 -26818087.70 -26818087.59 0.3780 0.1291

Mercury -78132-08-14 13:25 J -26816064.05 -26816063.94 -26816063.83 0.3777 0.0140

Mercury -78126-02-28 07:54 J -26814040.28 -26814040.17 -26814040.07 0.3773 0.1104

Mercury -78122-02-26 14:37 J -26812580.95 -26812580.89 -26812580.84 0.3595 0.3264

Mercury -78121-09-13 02:23 J -26812016.48 -26812016.40 -26812016.31 0.3769 0.2345

Mercury -78117-09-11 15:49 J -26810556.96 -26810556.84 -26810556.71 0.3599 0.1441

Mercury -78115-03-29 21:20 J -26809992.64 -26809992.61 -26809992.58 0.3765 0.3616

Mercury -78111-03-28 16:47 J -26808532.93 -26808532.80 -26808532.66 0.3603 0.0325

Mercury -78106-10-12 17:16 J -26806508.89 -26806508.78 -26806508.67 0.3606 0.2008

Mercury -78092-08-06 05:30 J -26801462.33 -26801462.27 -26801462.22 0.3786 0.3197

Mercury -78086-02-19 23:16 J -26799438.62 -26799438.53 -26799438.44 0.3782 0.2071

Mercury -78081-09-04 17:30 J -26797414.88 -26797414.77 -26797414.67 0.3779 0.0919

Mercury -78075-03-21 11:44 J -26795391.12 -26795391.01 -26795390.90 0.3776 0.0296

Mercury -78070-10-05 06:13 J -26793367.35 -26793367.24 -26793367.14 0.3772 0.1511

Mercury -78066-10-03 14:52 J -26791907.98 -26791907.88 -26791907.79 0.3596 0.2684

Mercury -78064-04-20 00:42 J -26791343.54 -26791343.47 -26791343.39 0.3768 0.2761

Mercury -78060-04-18 16:04 J -26789883.97 -26789883.83 -26789883.70 0.3600 0.0876

Mercury -78055-11-02 16:47 J -26787859.93 -26787859.80 -26787859.67 0.3604 0.0877

Mercury -78049-05-18 17:01 J -26785835.88 -26785835.79 -26785835.69 0.3607 0.2542

Mercury -78035-03-13 03:35 J -26780789.42 -26780789.35 -26780789.28 0.3785 0.2847

Mercury -78030-09-26 21:20 J -26778765.70 -26778765.61 -26778765.51 0.3782 0.1704

Mercury -78024-04-11 15:35 J -26776741.96 -26776741.85 -26776741.74 0.3778 0.0528

Mercury -78019-10-26 09:49 J -26774718.20 -26774718.09 -26774717.98 0.3775 0.0684

Mercury -78013-05-11 04:18 J -26772694.41 -26772694.32 -26772694.22 0.3771 0.1916

Mercury -78009-05-09 14:52 J -26771234.99 -26771234.88 -26771234.77 0.3597 0.2103

Mercury -78008-11-24 23:01 J -26770670.59 -26770670.54 -26770670.48 0.3767 0.3183

Mercury -78004-11-23 16:04 J -26769210.97 -26769210.83 -26769210.70 0.3601 0.0318

78TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 78th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-77998-06-09 16:32 J	-26767186.93	-26767186.81	-26767186.68	0.3605	0.1429		

Mercury -77993-12-23 16:47 J -26765162.87 -26765162.80 -26765162.73 0.3609 0.3070

Mercury -77984-04-03 07:40 J -26762140.21 -26762140.18 -26762140.15 0.3787 0.3604

Mercury -77979-10-18 01:25 J -26760116.52 -26760116.44 -26760116.35 0.3784 0.2486

Mercury -77973-05-02 19:40 J -26758092.79 -26758092.68 -26758092.58 0.3781 0.1334

Mercury -77968-11-16 13:40 J -26756069.04 -26756068.93 -26756068.82 0.3777 0.0179

Mercury -77962-06-02 08:08 J -26754045.27 -26754045.16 -26754045.06 0.3774 0.1079

Mercury -77958-05-31 13:40 J -26752585.98 -26752585.93 -26752585.89 0.3594 0.3375

Mercury -77957-12-16 02:37 J -26752021.47 -26752021.39 -26752021.30 0.3770 0.2329

Mercury -77953-12-14 14:52 J -26750562.00 -26750561.88 -26750561.75 0.3598 0.1527

Mercury -77951-07-01 21:20 J -26749997.63 -26749997.61 -26749997.58 0.3766 0.3610

Mercury -77947-06-30 16:04 J -26748537.97 -26748537.83 -26748537.70 0.3602 0.0286

Mercury -77941-01-14 16:32 J -26746513.92 -26746513.81 -26746513.70 0.3606 0.1970

Mercury -77936-07-30 16:32 J -26744489.82 -26744489.81 -26744489.80 0.3610 0.3591

Mercury -77928-11-08 05:44 J -26741467.31 -26741467.26 -26741467.21 0.3786 0.3248

Mercury -77922-05-24 23:44 J -26739443.60 -26739443.51 -26739443.42 0.3783 0.2113

Mercury -77917-12-07 17:44 J -26737419.87 -26737419.76 -26737419.66 0.3780 0.0943

Mercury -77911-06-23 11:59 J -26735396.11 -26735396.00 -26735395.89 0.3776 0.0258

Mercury -77905-01-07 06:13 J -26733372.34 -26733372.24 -26733372.13 0.3773 0.1489

Mercury -77901-01-05 13:40 J -26731913.01 -26731912.93 -26731912.84 0.3595 0.2786

Mercury -77900-07-23 00:56 J -26731348.53 -26731348.46 -26731348.38 0.3769 0.2747

Mercury -77896-07-21 15:06 J -26729889.01 -26729888.87 -26729888.74 0.3599 0.0960

Mercury -77890-02-04 15:49 J -26727864.97 -26727864.84 -26727864.71 0.3603 0.0819

Mercury -77885-08-20 16:04 J -26725840.92 -26725840.83 -26725840.73 0.3607 0.2503

Mercury -77871-06-15 03:49 J -26720794.41 -26720794.34 -26720794.27 0.3785 0.2888

Mercury -77866-12-29 21:49 J -26718770.69 -26718770.59 -26718770.50 0.3782 0.1744

Mercury -77860-07-14 15:49 J -26716746.95 -26716746.84 -26716746.73 0.3779 0.0560

Mercury -77854-01-28 10:04 J -26714723.19 -26714723.08 -26714722.97 0.3776 0.0649

Mercury -77849-08-13 04:32 J -26712699.40 -26712699.31 -26712699.21 0.3772 0.1894

Mercury -77845-08-11 13:40 J -26711240.03 -26711239.93 -26711239.82 0.3596 0.2208

Mercury -77843-02-26 23:16 J -26710675.59 -26710675.53 -26710675.47 0.3768 0.3164

Mercury -77839-02-25 15:06 J -26709216.01 -26709215.87 -26709215.74 0.3600 0.0393

Mercury -77834-09-11 15:35 J -26707191.97 -26707191.85 -26707191.72 0.3604 0.1366

Mercury -77828-03-27 15:49 J -26705167.91 -26705167.84 -26705167.76 0.3608 0.3040

Mercury -77820-07-06 08:08 J -26702145.19 -26702145.16 -26702145.14 0.3788 0.3651

Mercury -77814-01-20 01:54 J -26700121.50 -26700121.42 -26700121.34 0.3785 0.2528

Mercury -77809-08-04 19:54 J -26698097.77 -26698097.67 -26698097.57 0.3782 0.1364

Mercury -77803-02-18 13:54 J -26696074.03 -26696073.92 -26696073.81 0.3778 0.0192

Mercury -77798-09-04 08:23 J -26694050.26 -26694050.15 -26694050.05 0.3775 0.1056

Mercury -77794-09-02 12:13 J -26692591.01 -26692590.99 -26692590.96 0.3594 0.3506

Mercury -77792-03-20 02:52 J -26692026.47 -26692026.38 -26692026.29 0.3771 0.2307

Mercury -77788-03-18 13:54 J -26690567.04 -26690566.92 -26690566.80 0.3597 0.1618

Mercury -77787-10-03 21:35 J -26690002.63 -26690002.60 -26690002.57 0.3767 0.3593

Mercury -77783-10-02 14:52 J -26688543.01 -26688542.88 -26688542.74 0.3601 0.0207

Mercury -77777-04-17 15:35 J -26686518.97 -26686518.85 -26686518.74 0.3605 0.1917

Mercury -77772-11-01 15:35 J -26684494.86 -26684494.85 -26684494.83 0.3609 0.3577

Mercury -77763-02-10 05:59 J -26681472.30 -26681472.25 -26681472.20 0.3787 0.3302

Mercury -77758-08-26 23:59 J -26679448.59 -26679448.50 -26679448.41 0.3784 0.2158

Mercury -77752-03-11 17:59 J -26677424.86 -26677424.75 -26677424.65 0.3781 0.0986

Mercury -77747-09-25 12:13 J -26675401.10 -26675400.99 -26675400.88 0.3777 0.0257

Mercury -77741-04-10 06:28 J -26673377.33 -26673377.23 -26673377.13 0.3774 0.1458

Mercury -77737-04-08 12:28 J -26671918.06 -26671917.98 -26671917.90 0.3595 0.2904

Mercury -77736-10-25 01:11 J -26671353.53 -26671353.45 -26671353.38 0.3770 0.2729

Mercury -77732-10-23 13:54 J -26669894.05 -26669893.92 -26669893.78 0.3598 0.1034

Mercury -77726-05-09 14:52 J -26667870.01 -26667869.88 -26667869.75 0.3602 0.0755

Mercury -77721-11-22 15:20 J -26665845.96 -26665845.86 -26665845.76 0.3606 0.2471

Mercury -77707-09-17 04:04 J -26660799.40 -26660799.33 -26660799.26 0.3786 0.2940

Mercury -77701-04-01 22:04 J -26658775.68 -26658775.58 -26658775.49 0.3783 0.1785

Mercury -77696-10-16 16:04 J -26656751.94 -26656751.83 -26656751.72 0.3780 0.0596

Mercury -77690-05-02 10:18 J -26654728.18 -26654728.07 -26654727.96 0.3776 0.0626

Mercury -77685-11-15 04:47 J -26652704.40 -26652704.30 -26652704.20 0.3773 0.1874

Mercury -77681-11-13 12:42 J -26651245.07 -26651244.97 -26651244.86 0.3596 0.2298

Mercury -77679-05-31 23:30 J -26650680.58 -26650680.52 -26650680.47 0.3769 0.3158

Mercury -77675-05-30 14:08 J -26649221.05 -26649220.91 -26649220.78 0.3599 0.0457

Mercury -77670-12-14 14:52 J -26647197.01 -26647196.88 -26647196.76 0.3603 0.1320

Mercury -77664-06-29 15:06 J -26645172.94 -26645172.87 -26645172.79 0.3607 0.3018

Mercury -77656-10-08 08:23 J -26642150.17 -26642150.15 -26642150.13 0.3788 0.3705

Mercury -77650-04-24 02:08 J -26640126.49 -26640126.41 -26640126.33 0.3785 0.2568

Mercury -77645-11-06 20:08 J -26638102.76 -26638102.66 -26638102.56 0.3782 0.1400

Mercury -77639-05-23 14:08 J -26636079.02 -26636078.91 -26636078.80 0.3779 0.0238

Mercury -77634-12-07 08:37 J -26634055.25 -26634055.14 -26634055.04 0.3775 0.1038

Mercury -77628-06-22 03:06 J -26632031.46 -26632031.37 -26632031.28 0.3772 0.2296

Mercury -77624-06-20 12:56 J -26630572.08 -26630571.96 -26630571.84 0.3597 0.1698

Mercury -77622-01-05 21:49 J -26630007.63 -26630007.59 -26630007.56 0.3768 0.3590

Mercury -77618-01-04 14:08 J -26628548.05 -26628547.91 -26628547.78 0.3600 0.0170

Mercury -77613-07-20 14:37 J -26626524.00 -26626523.89 -26626523.77 0.3604 0.1880

Mercury -77607-02-03 14:52 J -26624499.89 -26624499.88 -26624499.86 0.3608 0.3562

Mercury -77599-05-15 06:28 J -26621477.28 -26621477.23 -26621477.18 0.3788 0.3345

Mercury -77594-11-29 00:13 J -26619453.58 -26619453.49 -26619453.40 0.3784 0.2194

Mercury -77588-06-13 18:13 J -26617429.84 -26617429.74 -26617429.63 0.3781 0.1014

Mercury -77583-12-28 12:28 J -26615406.09 -26615405.98 -26615405.87 0.3778 0.0211

Mercury -77577-07-13 06:42 J -26613382.32 -26613382.22 -26613382.12 0.3774 0.1447

Mercury -77573-07-11 11:30 J -26611923.10 -26611923.02 -26611922.95 0.3594 0.3004

Mercury -77571-01-27 01:11 J -26611358.52 -26611358.45 -26611358.37 0.3771 0.2717

Mercury -77567-01-25 12:56 J -26609899.09 -26609898.96 -26609898.83 0.3598 0.1108

Mercury -77562-08-11 13:54 J -26607875.05 -26607874.92 -26607874.78 0.3601 0.0698

Mercury -77556-02-24 14:37 J -26605850.99 -26605850.89 -26605850.80 0.3605 0.2439

Mercury -77543-12-20 04:32 J -26600804.38 -26600804.31 -26600804.25 0.3787 0.2980

Mercury -77537-07-04 22:18 J -26598780.66 -26598780.57 -26598780.47 0.3784 0.1816

Mercury -77531-01-18 16:18 J -26596756.93 -26596756.82 -26596756.71 0.3781 0.0629

Mercury -77526-08-04 10:32 J -26594733.17 -26594733.06 -26594732.95 0.3777 0.0608

Mercury -77520-02-17 05:01 J -26592709.39 -26592709.29 -26592709.20 0.3773 0.1860

Mercury -77516-02-15 11:44 J -26591250.12 -26591250.01 -26591249.91 0.3595 0.2396

Mercury -77515-09-02 23:30 J -26590685.58 -26590685.52 -26590685.46 0.3770 0.3144

Mercury -77511-09-01 12:56 J -26589226.10 -26589225.96 -26589225.82 0.3599 0.0532

Mercury -77505-03-17 13:54 J -26587202.05 -26587201.92 -26587201.79 0.3602 0.1270

Mercury -77500-10-01 14:08 J -26585177.98 -26585177.91 -26585177.83 0.3606 0.2986

Mercury -77491-01-10 08:37 J -26582155.15 -26582155.14 -26582155.13 0.3789 0.3759

Mercury -77486-07-27 02:37 J -26580131.47 -26580131.39 -26580131.32 0.3786 0.2611

Mercury -77480-02-08 20:23 J -26578107.75 -26578107.65 -26578107.55 0.3783 0.1438

Mercury -77475-08-25 14:23 J -26576084.01 -26576083.90 -26576083.79 0.3780 0.0263

Mercury -77469-03-10 08:37 J -26574060.24 -26574060.14 -26574060.03 0.3776 0.1016

Mercury -77464-09-24 03:06 J -26572036.45 -26572036.37 -26572036.28 0.3772 0.2280

Mercury -77460-09-22 11:44 J -26570577.13 -26570577.01 -26570576.89 0.3596 0.1798

Mercury -77458-04-09 21:49 J -26570012.62 -26570012.59 -26570012.56 0.3769 0.3578

Mercury -77454-04-08 12:56 J -26568553.10 -26568552.96 -26568552.82 0.3599 0.0066

Mercury -77449-10-22 13:40 J -26566529.04 -26566528.93 -26566528.81 0.3603 0.1846

Mercury -77443-05-08 14:08 J -26564504.94 -26564504.91 -26564504.89 0.3607 0.3538

Mercury -77435-08-17 06:42 J -26561482.26 -26561482.22 -26561482.17 0.3788 0.3392

Mercury -77429-03-02 00:28 J -26559458.56 -26559458.48 -26559458.39 0.3785 0.2238

Mercury -77424-09-15 18:28 J -26557434.83 -26557434.73 -26557434.62 0.3782 0.1048

Mercury -77418-04-01 12:42 J -26555411.08 -26555410.97 -26555410.86 0.3779 0.0196

Mercury -77413-10-15 06:56 J -26553387.31 -26553387.21 -26553387.11 0.3775 0.1424

Mercury -77409-10-13 10:18 J -26551928.14 -26551928.07 -26551928.00 0.3593 0.3108

Mercury -77407-05-01 01:25 J -26551363.52 -26551363.44 -26551363.36 0.3771 0.2707

Mercury -77403-04-29 11:59 J -26549904.13 -26549904.00 -26549903.87 0.3597 0.1202

Mercury -77398-11-13 12:56 J -26547880.09 -26547879.96 -26547879.82 0.3600 0.0655

Mercury -77392-05-29 13:40 J -26545856.03 -26545855.93 -26545855.83 0.3604 0.2408

Mercury -77378-03-24 04:47 J -26540809.36 -26540809.30 -26540809.24 0.3787 0.3024

Mercury -77373-10-06 22:32 J -26538785.65 -26538785.56 -26538785.46 0.3784 0.1855

Mercury -77367-04-22 16:32 J -26536761.91 -26536761.81 -26536761.70 0.3781 0.0660

Mercury -77362-11-06 10:47 J -26534738.16 -26534738.05 -26534737.94 0.3778 0.0581
 Mercury -77356-05-22 05:16 J -26532714.38 -26532714.28 -26532714.19 0.3774 0.1851
 Mercury -77352-05-20 10:32 J -26531255.16 -26531255.06 -26531254.96 0.3594 0.2489
 Mercury -77351-12-05 23:44 J -26530690.57 -26530690.51 -26530690.45 0.3770 0.3141
 Mercury -77347-12-04 11:59 J -26529231.14 -26529231.00 -26529230.86 0.3598 0.0593
 Mercury -77341-06-19 12:56 J -26527207.09 -26527206.96 -26527206.83 0.3601 0.1235
 Mercury -77335-01-03 13:25 J -26525183.01 -26525182.94 -26525182.86 0.3605 0.2972
 Mercury -77322-10-29 02:52 J -26520136.46 -26520136.38 -26520136.31 0.3787 0.2649
 Mercury -77316-05-13 20:37 J -26518112.74 -26518112.64 -26518112.54 0.3784 0.1469
 Mercury -77311-11-27 14:52 J -26516088.99 -26516088.88 -26516088.77 0.3780 0.0282
 Mercury -77305-06-12 09:06 J -26514065.23 -26514065.12 -26514065.02 0.3777 0.1004
 Mercury -77300-12-27 03:20 J -26512041.44 -26512041.36 -26512041.27 0.3773 0.2276
 Mercury -77296-12-25 10:47 J -26510582.17 -26510582.05 -26510581.93 0.3595 0.1878
 Mercury -77294-07-12 22:04 J -26510017.61 -26510017.58 -26510017.55 0.3769 0.3583
 Mercury -77290-07-11 11:59 J -26508558.13 -26508558.00 -26508557.86 0.3599 0.0076
 Mercury -77284-01-24 12:56 J -26506534.08 -26506533.96 -26506533.84 0.3603 0.1809
 Mercury -77279-08-10 13:11 J -26504509.97 -26504509.95 -26504509.92 0.3607 0.3523
 Mercury -77271-11-19 07:11 J -26501487.25 -26501487.20 -26501487.16 0.3789 0.3432
 Mercury -77265-06-04 00:56 J -26499463.55 -26499463.46 -26499463.38 0.3786 0.2268
 Mercury -77260-12-18 18:42 J -26497439.82 -26497439.72 -26497439.61 0.3783 0.1082
 Mercury -77254-07-04 12:56 J -26495416.07 -26495415.96 -26495415.85 0.3779 0.0160
 Mercury -77248-01-17 07:11 J -26493392.30 -26493392.20 -26493392.10 0.3776 0.1410
 Mercury -77244-01-15 09:20 J -26491933.17 -26491933.11 -26491933.05 0.3593 0.3206
 Mercury -77243-08-03 01:40 J -26491368.51 -26491368.43 -26491368.35 0.3772 0.2703
 Mercury -77239-08-01 10:47 J -26489909.18 -26489909.05 -26489908.92 0.3596 0.1275
 Mercury -77233-02-15 11:59 J -26487885.13 -26487885.00 -26487884.86 0.3600 0.0603
 Mercury -77228-08-31 12:42 J -26485861.07 -26485860.97 -26485860.87 0.3604 0.2373
 Mercury -77214-06-26 05:01 J -26480814.35 -26480814.29 -26480814.22 0.3788 0.3064
 Mercury -77208-01-08 23:01 J -26478790.64 -26478790.54 -26478790.45 0.3785 0.1893
 Mercury -77203-07-25 17:01 J -26476766.90 -26476766.79 -26476766.69 0.3782 0.0686

Mercury -77197-02-08 11:01 J -26474743.15 -26474743.04 -26474742.93 0.3779 0.0561

Mercury -77192-08-24 05:16 J -26472719.37 -26472719.28 -26472719.18 0.3775 0.1841

Mercury -77188-08-22 09:20 J -26471260.20 -26471260.11 -26471260.01 0.3593 0.2592

Mercury -77186-03-09 23:59 J -26470695.56 -26470695.50 -26470695.44 0.3771 0.3137

Mercury -77182-03-08 11:01 J -26469236.18 -26469236.04 -26469235.91 0.3597 0.0668

Mercury -77177-09-21 11:59 J -26467212.13 -26467212.00 -26467211.87 0.3601 0.1177

Mercury -77171-04-07 12:28 J -26465188.05 -26465187.98 -26465187.90 0.3605 0.2947

Mercury -77157-01-31 03:06 J -26460141.44 -26460141.37 -26460141.29 0.3787 0.2687

Mercury -77152-08-15 21:06 J -26458117.72 -26458117.62 -26458117.52 0.3784 0.1500

Mercury -77146-03-01 15:06 J -26456093.98 -26456093.87 -26456093.77 0.3781 0.0316

Mercury -77141-09-14 09:06 J -26454070.22 -26454070.12 -26454070.01 0.3778 0.0986

Mercury -77135-03-31 03:35 J -26452046.44 -26452046.35 -26452046.26 0.3774 0.2260

Mercury -77131-03-29 09:35 J -26450587.22 -26450587.10 -26450586.98 0.3594 0.1969

Mercury -77130-10-14 22:04 J -26450022.61 -26450022.58 -26450022.54 0.3770 0.3580

Mercury -77126-10-13 11:01 J -26448563.18 -26448563.04 -26448562.90 0.3598 0.0057

Mercury -77120-04-28 11:59 J -26446539.12 -26446539.00 -26446538.89 0.3602 0.1768

Mercury -77115-11-12 12:28 J -26444515.01 -26444514.98 -26444514.96 0.3606 0.3520

Mercury -77106-02-21 07:25 J -26441492.23 -26441492.19 -26441492.15 0.3790 0.3475

Mercury -77101-09-06 01:11 J -26439468.54 -26439468.45 -26439468.37 0.3787 0.2305

Mercury -77095-03-22 19:11 J -26437444.81 -26437444.70 -26437444.60 0.3783 0.1113

Mercury -77090-10-06 13:11 J -26435421.06 -26435420.95 -26435420.84 0.3780 0.0157

Mercury -77084-04-21 07:25 J -26433397.29 -26433397.19 -26433397.09 0.3777 0.1399

Mercury -77080-04-19 07:54 J -26431938.22 -26431938.17 -26431938.11 0.3592 0.3319

Mercury -77079-11-05 01:54 J -26431373.50 -26431373.42 -26431373.35 0.3773 0.2697

Mercury -77075-11-03 09:49 J -26429914.22 -26429914.09 -26429913.96 0.3595 0.1341

Mercury -77069-05-19 11:01 J -26427890.17 -26427890.04 -26427889.90 0.3599 0.0546

Mercury -77064-12-03 11:44 J -26425866.11 -26425866.01 -26425865.90 0.3603 0.2355

Mercury -77050-09-28 05:30 J -26420819.33 -26420819.27 -26420819.21 0.3789 0.3103

Mercury -77044-04-12 23:16 J -26418795.62 -26418795.53 -26418795.44 0.3786 0.1917

Mercury -77039-10-27 17:16 J -26416771.89 -26416771.78 -26416771.68 0.3782 0.0709

Mercury -77033-05-12 11:16 J -26414748.14 -26414748.03 -26414747.92 0.3779 0.0552

Mercury -77028-11-26 05:30 J -26412724.36 -26412724.27 -26412724.17 0.3776 0.1833

Mercury -77024-11-24 08:23 J -26411265.25 -26411265.15 -26411265.06 0.3593 0.2681

Mercury -77022-06-11 23:59 J -26410700.56 -26410700.50 -26410700.44 0.3772 0.3141

Mercury -77018-06-10 10:04 J -26409241.22 -26409241.08 -26409240.95 0.3596 0.0729

Mercury -77013-12-24 11:01 J -26407217.17 -26407217.04 -26407216.91 0.3600 0.1141

Mercury -77007-07-10 11:44 J -26405193.09 -26405193.01 -26405192.93 0.3604 0.2934

77TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 77th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-76993-05-04 03:20 J	-26400146.43	-26400146.36	-26400146.28	0.3788	0.2723		
Mercury	-76988-11-17 21:20 J	-26398122.71	-26398122.61	-26398122.51	0.3785	0.1522		
Mercury	-76982-06-03 15:20 J	-26396098.97	-26396098.86	-26396098.75	0.3782	0.0306		
Mercury	-76977-12-17 09:35 J	-26394075.21	-26394075.10	-26394075.00	0.3778	0.0982		
Mercury	-76971-07-03 03:49 J	-26392051.43	-26392051.34	-26392051.25	0.3775	0.2260		
Mercury	-76967-07-01 08:37 J	-26390592.26	-26390592.14	-26390592.03	0.3594	0.2045		
Mercury	-76965-01-16 22:18 J	-26390027.60	-26390027.57	-26390027.54	0.3771	0.3581		
Mercury	-76961-01-15 10:04 J	-26388568.22	-26388568.08	-26388567.94	0.3597	0.0111		
Mercury	-76956-07-31 11:01 J	-26386544.16	-26386544.04	-26386543.92	0.3601	0.1735		
Mercury	-76950-02-14 11:30 J	-26384520.04	-26384520.02	-26384519.99	0.3605	0.3512		
Mercury	-76942-05-26 07:54 J	-26381497.21	-26381497.17	-26381497.14	0.3790	0.3514		
Mercury	-76937-12-09 01:25 J	-26379473.52	-26379473.44	-26379473.35	0.3787	0.2335		

Mercury -76931-06-24 19:25 J -26377449.79 -26377449.69 -26377449.59 0.3784 0.1121

Mercury -76925-01-08 13:25 J -26375426.05 -26375425.94 -26375425.83 0.3781 0.0119

Mercury -76920-07-24 07:40 J -26373402.28 -26373402.18 -26373402.08 0.3777 0.1395

Mercury -76916-07-22 06:56 J -26371943.25 -26371943.21 -26371943.17 0.3591 0.3418

Mercury -76914-02-07 01:54 J -26371378.49 -26371378.42 -26371378.34 0.3774 0.2698

Mercury -76910-02-05 08:52 J -26369919.26 -26369919.13 -26369919.01 0.3595 0.1416

Mercury -76905-08-21 10:04 J -26367895.22 -26367895.08 -26367894.95 0.3598 0.0497

Mercury -76899-03-07 11:01 J -26365871.15 -26365871.04 -26365870.94 0.3602 0.2331

Mercury -76886-12-31 05:44 J -26360824.32 -26360824.26 -26360824.20 0.3790 0.3134

Mercury -76880-07-15 23:30 J -26358800.61 -26358800.52 -26358800.42 0.3786 0.1940

Mercury -76874-01-29 17:30 J -26356776.88 -26356776.77 -26356776.67 0.3783 0.0726

Mercury -76869-08-14 11:30 J -26354753.13 -26354753.02 -26354752.91 0.3780 0.0544

Mercury -76863-02-28 05:44 J -26352729.35 -26352729.26 -26352729.16 0.3776 0.1818

Mercury -76859-02-26 07:11 J -26351270.29 -26351270.20 -26351270.11 0.3592 0.2772

Mercury -76858-09-14 00:13 J -26350705.55 -26350705.49 -26350705.43 0.3773 0.3136

Mercury -76854-09-12 08:52 J -26349246.27 -26349246.13 -26349246.00 0.3595 0.0803

Mercury -76848-03-28 10:04 J -26347222.21 -26347222.08 -26347221.95 0.3599 0.1101

Mercury -76843-10-12 10:47 J -26345198.13 -26345198.05 -26345197.97 0.3603 0.2914

Mercury -76829-08-06 03:49 J -26340151.41 -26340151.34 -26340151.27 0.3789 0.2749

Mercury -76823-02-19 21:35 J -26338127.70 -26338127.60 -26338127.50 0.3786 0.1549

Mercury -76818-09-05 15:35 J -26336103.96 -26336103.85 -26336103.74 0.3783 0.0317

Mercury -76812-03-21 09:35 J -26334080.20 -26334080.10 -26334079.99 0.3779 0.0963

Mercury -76807-10-05 04:04 J -26332056.42 -26332056.33 -26332056.25 0.3776 0.2256

Mercury -76803-10-03 07:25 J -26330597.30 -26330597.19 -26330597.08 0.3593 0.2132

Mercury -76801-04-19 22:32 J -26330032.59 -26330032.56 -26330032.53 0.3772 0.3584

Mercury -76797-04-18 08:52 J -26328573.27 -26328573.13 -26328572.99 0.3596 0.0178

Mercury -76792-11-02 10:04 J -26326549.20 -26326549.08 -26326548.96 0.3600 0.1710

Mercury -76786-05-19 10:32 J -26324525.09 -26324525.06 -26324525.03 0.3604 0.3497

Mercury -76778-08-28 08:08 J -26321502.19 -26321502.16 -26321502.13 0.3791 0.3549

Mercury -76772-03-13 01:54 J -26319478.51 -26319478.42 -26319478.34 0.3788 0.2366

Mercury -76767-09-26 19:40 J -26317454.78 -26317454.68 -26317454.58 0.3785 0.1146

Mercury -76761-04-11 13:40 J -26315431.04 -26315430.93 -26315430.82 0.3782 0.0103

Mercury -76756-10-26 07:54 J -26313407.28 -26313407.17 -26313407.07 0.3778 0.1386

Mercury -76752-10-24 05:44 J -26311948.29 -26311948.26 -26311948.24 0.3590 0.3513

Mercury -76750-05-12 02:08 J -26311383.48 -26311383.41 -26311383.33 0.3775 0.2698

Mercury -76746-05-10 07:40 J -26309924.31 -26309924.18 -26309924.06 0.3594 0.1495

Mercury -76741-11-23 09:06 J -26307900.26 -26307900.12 -26307899.99 0.3597 0.0463

Mercury -76735-06-09 10:04 J -26305876.19 -26305876.08 -26305875.98 0.3601 0.2313

Mercury -76721-04-03 06:13 J -26300829.30 -26300829.24 -26300829.19 0.3790 0.3174

Mercury -76716-10-17 23:44 J -26298805.60 -26298805.51 -26298805.41 0.3787 0.1974

Mercury -76710-05-03 17:44 J -26296781.87 -26296781.76 -26296781.65 0.3784 0.0738

Mercury -76705-11-16 11:44 J -26294758.12 -26294758.01 -26294757.90 0.3781 0.0534

Mercury -76699-06-02 05:59 J -26292734.34 -26292734.25 -26292734.15 0.3777 0.1820

Mercury -76695-05-31 05:59 J -26291275.33 -26291275.25 -26291275.16 0.3591 0.2854

Mercury -76694-12-17 00:28 J -26290710.54 -26290710.48 -26290710.42 0.3774 0.3145

Mercury -76690-12-15 07:40 J -26289251.31 -26289251.18 -26289251.04 0.3595 0.0861

Mercury -76684-06-30 09:06 J -26287227.25 -26287227.12 -26287226.99 0.3598 0.1072

Mercury -76678-01-14 09:49 J -26285203.16 -26285203.09 -26285203.01 0.3602 0.2909

Mercury -76665-11-08 04:04 J -26280156.40 -26280156.33 -26280156.25 0.3789 0.2782

Mercury -76659-05-24 21:49 J -26278132.68 -26278132.59 -26278132.49 0.3786 0.1571

Mercury -76654-12-08 15:49 J -26276108.95 -26276108.84 -26276108.73 0.3783 0.0327

Mercury -76648-06-23 10:04 J -26274085.19 -26274085.08 -26274084.98 0.3780 0.0961

Mercury -76642-01-07 04:18 J -26272061.41 -26272061.32 -26272061.23 0.3776 0.2261

Mercury -76638-01-05 06:13 J -26270602.35 -26270602.24 -26270602.13 0.3592 0.2204

Mercury -76637-07-22 22:47 J -26270037.58 -26270037.55 -26270037.52 0.3773 0.3599

Mercury -76633-07-21 07:54 J -26268578.31 -26268578.17 -26268578.03 0.3596 0.0226

Mercury -76627-02-04 09:06 J -26266554.24 -26266554.12 -26266554.00 0.3599 0.1686

Mercury -76622-08-21 09:35 J -26264530.13 -26264530.10 -26264530.07 0.3603 0.3493

Mercury -76614-11-30 08:37 J -26261507.18 -26261507.14 -26261507.11 0.3791 0.3581

Mercury -76608-06-15 02:08 J -26259483.49 -26259483.41 -26259483.33 0.3788 0.2385

Mercury -76603-12-29 19:54 J -26257459.77 -26257459.67 -26257459.56 0.3786 0.1166

Mercury -76597-07-14 13:54 J -26255436.03 -26255435.92 -26255435.81 0.3782 0.0141

Mercury -76591-01-28 08:08 J -26253412.26 -26253412.16 -26253412.06 0.3779 0.1381

Mercury -76586-08-14 02:23 J -26251388.47 -26251388.40 -26251388.32 0.3775 0.2703

Mercury -76582-08-12 06:28 J -26249929.36 -26249929.23 -26249929.11 0.3593 0.1564

Mercury -76576-02-25 07:54 J -26247905.30 -26247905.17 -26247905.03 0.3597 0.0421

Mercury -76571-09-11 08:52 J -26245881.23 -26245881.13 -26245881.02 0.3600 0.2284

Mercury -76557-07-06 06:28 J -26240834.28 -26240834.23 -26240834.17 0.3791 0.3195

Mercury -76551-01-20 00:13 J -26238810.58 -26238810.49 -26238810.40 0.3788 0.1993

Mercury -76546-08-05 17:59 J -26236786.85 -26236786.75 -26236786.64 0.3785 0.0758

Mercury -76540-02-18 11:59 J -26234763.11 -26234763.00 -26234762.89 0.3781 0.0522

Mercury -76535-09-04 06:13 J -26232739.33 -26232739.24 -26232739.14 0.3778 0.1818

Mercury -76531-09-02 04:47 J -26231280.38 -26231280.30 -26231280.22 0.3591 0.2952

Mercury -76529-03-20 00:42 J -26230715.53 -26230715.47 -26230715.41 0.3774 0.3148

Mercury -76525-03-18 06:42 J -26229256.36 -26229256.22 -26229256.09 0.3594 0.0924

Mercury -76520-10-02 07:54 J -26227232.30 -26227232.17 -26227232.03 0.3597 0.1031

Mercury -76514-04-18 08:52 J -26225208.21 -26225208.13 -26225208.05 0.3601 0.2887

Mercury -76500-02-10 04:32 J -26220161.38 -26220161.31 -26220161.24 0.3790 0.2811

Mercury -76495-08-26 22:18 J -26218137.67 -26218137.57 -26218137.48 0.3787 0.1595

Mercury -76489-03-11 16:04 J -26216113.94 -26216113.83 -26216113.72 0.3784 0.0342

Mercury -76484-09-25 10:04 J -26214090.18 -26214090.08 -26214089.97 0.3781 0.0951

Mercury -76478-04-11 04:32 J -26212066.40 -26212066.31 -26212066.23 0.3777 0.2262

Mercury -76474-04-09 05:01 J -26210607.40 -26210607.29 -26210607.18 0.3591 0.2290

Mercury -76473-10-24 22:47 J -26210042.58 -26210042.55 -26210042.52 0.3773 0.3602

Mercury -76469-10-23 06:42 J -26208583.35 -26208583.22 -26208583.08 0.3595 0.0299

Mercury -76463-05-09 08:08 J -26206559.29 -26206559.16 -26206559.04 0.3598 0.1653

Mercury -76458-11-23 08:52 J -26204535.16 -26204535.13 -26204535.10 0.3602 0.3497

Mercury -76449-03-03 08:52 J -26201512.16 -26201512.13 -26201512.10 0.3792 0.3615

Mercury -76444-09-17 02:23 J -26199488.48 -26199488.40 -26199488.31 0.3789 0.2417

Mercury -76438-04-02 20:23 J -26197464.76 -26197464.65 -26197464.55 0.3786 0.1192

Mercury -76433-10-16 14:08 J -26195441.02 -26195440.91 -26195440.80 0.3783 0.0119

Mercury -76427-05-02 08:23 J -26193417.25 -26193417.15 -26193417.05 0.3780 0.1381

Mercury -76422-11-16 02:37 J -26191393.46 -26191393.39 -26191393.31 0.3776 0.2706

Mercury -76418-11-14 05:16 J -26189934.40 -26189934.28 -26189934.15 0.3592 0.1629

Mercury -76412-05-30 06:56 J -26187910.35 -26187910.21 -26187910.07 0.3596 0.0371

Mercury -76407-12-14 08:08 J -26185886.27 -26185886.16 -26185886.06 0.3599 0.2272

Mercury -76393-10-08 06:42 J -26180839.27 -26180839.22 -26180839.16 0.3791 0.3229

Mercury -76387-04-24 00:28 J -26178815.57 -26178815.48 -26178815.39 0.3788 0.2011

Mercury -76382-11-07 18:28 J -26176791.84 -26176791.73 -26176791.63 0.3785 0.0780

Mercury -76376-05-23 12:13 J -26174768.09 -26174767.99 -26174767.88 0.3782 0.0532

Mercury -76371-12-07 06:28 J -26172744.32 -26172744.23 -26172744.13 0.3779 0.1824

Mercury -76367-12-05 03:35 J -26171285.42 -26171285.35 -26171285.27 0.3590 0.3031

Mercury -76365-06-22 00:56 J -26170720.52 -26170720.46 -26170720.41 0.3775 0.3161

Mercury -76361-06-20 05:30 J -26169261.40 -26169261.27 -26169261.13 0.3593 0.0974

Mercury -76355-01-04 06:56 J -26167237.34 -26167237.21 -26167237.07 0.3597 0.1007

Mercury -76350-07-21 07:54 J -26165213.25 -26165213.17 -26165213.09 0.3601 0.2888

Mercury -76336-05-15 04:47 J -26160166.37 -26160166.30 -26160166.23 0.3791 0.2831

Mercury -76331-11-28 22:32 J -26158142.66 -26158142.56 -26158142.46 0.3788 0.1604

Mercury -76325-06-13 16:32 J -26156118.92 -26156118.81 -26156118.71 0.3784 0.0382

Mercury -76320-12-28 10:32 J -26154095.17 -26154095.06 -26154094.96 0.3781 0.0951

Mercury -76314-07-14 04:47 J -26152071.39 -26152071.30 -26152071.22 0.3778 0.2270

Mercury -76310-07-12 04:04 J -26150612.44 -26150612.33 -26150612.23 0.3591 0.2363

Mercury -76308-01-26 23:01 J -26150047.57 -26150047.54 -26150047.51 0.3774 0.3617

Mercury -76304-01-25 05:44 J -26148588.40 -26148588.26 -26148588.12 0.3594 0.0321

Mercury -76299-08-11 06:56 J -26146564.33 -26146564.21 -26146564.08 0.3598 0.1626

Mercury -76293-02-25 07:54 J -26144540.20 -26144540.17 -26144540.14 0.3602 0.3498

Mercury -76285-06-05 09:20 J -26141517.14 -26141517.11 -26141517.09 0.3793 0.3642

Mercury -76280-12-20 02:52 J -26139493.46 -26139493.38 -26139493.30 0.3790 0.2430

Mercury -76274-07-05 20:37 J -26137469.74 -26137469.64 -26137469.54 0.3787 0.1189

Mercury -76268-01-18 14:23 J -26135446.00 -26135445.90 -26135445.79 0.3784 0.0176

Mercury -76263-08-04 08:37 J -26133422.24 -26133422.14 -26133422.04 0.3780 0.1385

Mercury -76257-02-18 02:52 J -26131398.46 -26131398.38 -26131398.31 0.3777 0.2712

Mercury -76253-02-16 04:18 J -26129939.45 -26129939.32 -26129939.20 0.3592 0.1696

Mercury -76248-09-01 05:44 J -26127915.40 -26127915.26 -26127915.12 0.3595 0.0328

Mercury -76242-03-18 06:56 J -26125891.31 -26125891.21 -26125891.10 0.3599 0.2254

Mercury -76228-01-10 07:11 J -26120844.25 -26120844.20 -26120844.15 0.3792 0.3251

Mercury -76223-07-27 00:56 J -26118820.55 -26118820.46 -26118820.37 0.3789 0.2030

Mercury -76217-02-09 18:42 J -26116796.83 -26116796.72 -26116796.62 0.3786 0.0787

Mercury -76212-08-25 12:42 J -26114773.08 -26114772.97 -26114772.87 0.3783 0.0527

Mercury -76206-03-11 06:42 J -26112749.32 -26112749.22 -26112749.12 0.3779 0.1821

Mercury -76202-03-09 02:23 J -26111290.47 -26111290.40 -26111290.33 0.3589 0.3118

Mercury -76201-09-24 00:56 J -26110725.51 -26110725.46 -26110725.40 0.3776 0.3170

Mercury -76197-09-22 04:18 J -26109266.45 -26109266.32 -26109266.18 0.3592 0.1041

Mercury -76191-04-08 05:59 J -26107242.39 -26107242.25 -26107242.12 0.3596 0.0965

Mercury -76186-10-23 06:56 J -26105218.29 -26105218.21 -26105218.13 0.3600 0.2882

Mercury -76172-08-17 05:16 J -26100171.35 -26100171.28 -26100171.21 0.3791 0.2855

Mercury -76166-03-02 22:47 J -26098147.64 -26098147.55 -26098147.45 0.3788 0.1623

Mercury -76161-09-15 16:47 J -26096123.91 -26096123.80 -26096123.70 0.3785 0.0379

Mercury -76155-04-01 10:47 J -26094100.16 -26094100.05 -26094099.95 0.3782 0.0948

Mercury -76150-10-16 04:47 J -26092076.38 -26092076.30 -26092076.21 0.3779 0.2275

Mercury -76146-10-14 02:37 J -26090617.49 -26090617.39 -26090617.28 0.3590 0.2442

Mercury -76144-04-30 23:16 J -26090052.56 -26090052.53 -26090052.50 0.3775 0.3633

Mercury -76140-04-29 04:32 J -26088593.45 -26088593.31 -26088593.17 0.3593 0.0380

Mercury -76135-11-13 05:59 J -26086569.37 -26086569.25 -26086569.12 0.3597 0.1610

Mercury -76129-05-29 06:56 J -26084545.24 -26084545.21 -26084545.18 0.3601 0.3499

Mercury -76121-09-07 09:35 J -26081522.12 -26081522.10 -26081522.08 0.3793 0.3669

Mercury -76115-03-24 03:06 J -26079498.45 -26079498.37 -26079498.29 0.3790 0.2455

Mercury -76110-10-07 20:52 J -26077474.73 -26077474.63 -26077474.53 0.3788 0.1205

Mercury -76104-04-22 14:52 J -26075450.99 -26075450.88 -26075450.78 0.3784 0.0152

Mercury -76099-11-06 08:52 J -26073427.23 -26073427.13 -26073427.03 0.3781 0.1384

Mercury -76093-05-22 03:06 J -26071403.45 -26071403.37 -26071403.30 0.3778 0.2726

Mercury -76089-05-20 03:06 J -26069944.49 -26069944.37 -26069944.25 0.3591 0.1762

Mercury -76084-12-04 04:47 J -26067920.44 -26067920.30 -26067920.16 0.3594 0.0288

Mercury -76078-06-20 06:13 J -26065896.35 -26065896.24 -26065896.14 0.3598 0.2253

Mercury -76064-04-14 07:25 J -26060849.24 -26060849.19 -26060849.13 0.3793 0.3280

Mercury -76059-10-29 01:11 J -26058825.54 -26058825.45 -26058825.36 0.3790 0.2046

Mercury -76053-05-13 18:56 J -26056801.82 -26056801.71 -26056801.60 0.3787 0.0783

Mercury -76048-11-27 12:56 J -26054778.07 -26054777.96 -26054777.85 0.3784 0.0513

Mercury -76042-06-13 06:56 J -26052754.30 -26052754.21 -26052754.11 0.3780 0.1833

Mercury -76038-06-11 01:11 J -26051295.51 -26051295.45 -26051295.39 0.3588 0.3193

Mercury -76037-12-27 01:11 J -26050730.50 -26050730.45 -26050730.39 0.3777 0.3192

Mercury -76033-12-25 03:20 J -26049271.49 -26049271.36 -26049271.23 0.3592 0.1086

Mercury -76027-07-11 05:01 J -26047247.43 -26047247.29 -26047247.16 0.3595 0.0944

Mercury -76021-01-25 06:13 J -26045223.32 -26045223.24 -26045223.16 0.3599 0.2883

Mercury -76008-11-19 05:30 J -26040176.34 -26040176.27 -26040176.20 0.3792 0.2873

Mercury -76002-06-04 23:16 J -26038152.63 -26038152.53 -26038152.44 0.3789 0.1633

76TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 76th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
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Mercury -75997-12-18 17:01 J -26036128.90 -26036128.79 -26036128.68 0.3786 0.0356

Mercury -75991-07-04 11:01 J -26034105.15 -26034105.04 -26034104.93 0.3783 0.0950

Mercury -75985-01-18 05:01 J -26032081.37 -26032081.29 -26032081.20 0.3779 0.2287

Mercury -75981-01-16 01:40 J -26030622.53 -26030622.43 -26030622.33 0.3589 0.2506

Mercury -75980-08-02 23:30 J -26030057.54 -26030057.52 -26030057.50 0.3776 0.3654

Mercury -75976-08-01 03:35 J -26028598.49 -26028598.35 -26028598.21 0.3593 0.0427

Mercury -75970-02-15 05:01 J -26026574.41 -26026574.29 -26026574.17 0.3596 0.1592

Mercury -75965-08-31 05:59 J -26024550.28 -26024550.25 -26024550.22 0.3600 0.3499

Mercury -75957-12-10 10:04 J -26021527.10 -26021527.08 -26021527.06 0.3794 0.3691

Mercury -75951-06-26 03:35 J -26019503.43 -26019503.35 -26019503.27 0.3791 0.2467

Mercury -75945-01-09 21:20 J -26017479.72 -26017479.61 -26017479.51 0.3788 0.1224

Mercury -75940-07-25 15:06 J -26015455.98 -26015455.87 -26015455.76 0.3785 0.0077

Mercury -75934-02-08 09:06 J -26013432.22 -26013432.12 -26013432.02 0.3782 0.1389

Mercury -75929-08-24 03:20 J -26011408.44 -26011408.36 -26011408.29 0.3779 0.2742

Mercury -75925-08-22 01:54 J -26009949.54 -26009949.42 -26009949.30 0.3590 0.1827

Mercury -75919-03-08 03:49 J -26007925.48 -26007925.34 -26007925.21 0.3594 0.0275

Mercury -75914-09-22 05:01 J -26005901.40 -26005901.29 -26005901.18 0.3597 0.2227

Mercury -75900-07-17 07:54 J -26000854.22 -26000854.17 -26000854.12 0.3793 0.3291

Mercury -75894-01-31 01:25 J -25998830.53 -25998830.44 -25998830.35 0.3791 0.2062

Mercury -75889-08-15 19:11 J -25996806.80 -25996806.70 -25996806.59 0.3788 0.0796

Mercury -75883-03-01 13:11 J -25994783.06 -25994782.95 -25994782.84 0.3784 0.0513

Mercury -75878-09-15 07:11 J -25992759.29 -25992759.20 -25992759.10 0.3781 0.1839

Mercury -75874-09-12 23:44 J -25991300.56 -25991300.51 -25991300.45 0.3588 0.3291

Mercury -75872-03-31 01:25 J -25990735.49 -25990735.44 -25990735.38 0.3777 0.3200

Mercury -75868-03-29 02:08 J -25989276.54 -25989276.41 -25989276.28 0.3591 0.1143

Mercury -75863-10-13 03:49 J -25987252.47 -25987252.34 -25987252.21 0.3594 0.0907

Mercury -75857-04-28 05:01 J -25985228.37 -25985228.29 -25985228.21 0.3598 0.2870

Mercury -75843-02-21 05:44 J -25980181.32 -25980181.26 -25980181.19 0.3793 0.2899

Mercury -75838-09-06 23:30 J -25978157.62 -25978157.52 -25978157.42 0.3790 0.1644

Mercury -75832-03-22 17:16 J -25976133.89 -25976133.78 -25976133.67 0.3787 0.0365

Mercury -75827-10-06 11:16 J -25974110.14 -25974110.03 -25974109.93 0.3783 0.0951

Mercury -75821-04-21 05:16 J -25972086.36 -25972086.28 -25972086.19 0.3780 0.2298

Mercury -75817-04-19 00:13 J -25970627.58 -25970627.49 -25970627.39 0.3588 0.2585

Mercury -75816-11-04 23:44 J -25970062.54 -25970062.51 -25970062.49 0.3776 0.3670

Mercury -75812-11-03 02:23 J -25968603.54 -25968603.40 -25968603.26 0.3592 0.0458

Mercury -75806-05-20 04:04 J -25966579.46 -25966579.33 -25966579.21 0.3595 0.1572

Mercury -75801-12-03 05:01 J -25964555.32 -25964555.29 -25964555.26 0.3599 0.3511

Mercury -75792-03-14 10:18 J -25961532.09 -25961532.07 -25961532.05 0.3794 0.3717

Mercury -75787-09-28 03:49 J -25959508.42 -25959508.34 -25959508.26 0.3792 0.2485

Mercury -75781-04-12 21:35 J -25957484.70 -25957484.60 -25957484.50 0.3789 0.1224

Mercury -75776-10-27 15:20 J -25955460.97 -25955460.86 -25955460.75 0.3786 0.0075

Mercury -75770-05-13 09:20 J -25953437.21 -25953437.11 -25953437.01 0.3783 0.1399

Mercury -75765-11-26 03:35 J -25951413.43 -25951413.35 -25951413.28 0.3779 0.2758

Mercury -75761-11-24 00:42 J -25949954.59 -25949954.47 -25949954.35 0.3589 0.1881

Mercury -75755-06-10 02:37 J -25947930.53 -25947930.39 -25947930.25 0.3593 0.0219

Mercury -75750-12-25 04:04 J -25945906.44 -25945906.33 -25945906.22 0.3596 0.2225

Mercury -75736-10-19 08:08 J -25940859.20 -25940859.16 -25940859.11 0.3794 0.3319

Mercury -75730-05-05 01:54 J -25938835.51 -25938835.42 -25938835.33 0.3791 0.2069

Mercury -75725-11-17 19:40 J -25936811.79 -25936811.68 -25936811.58 0.3788 0.0803

Mercury -75719-06-03 13:25 J -25934788.05 -25934787.94 -25934787.83 0.3785 0.0516

Mercury -75714-12-18 07:25 J -25932764.28 -25932764.19 -25932764.09 0.3782 0.1857

Mercury -75710-12-15 22:47 J -25931305.60 -25931305.55 -25931305.51 0.3587 0.3360

Mercury -75708-07-03 01:40 J -25930740.48 -25930740.43 -25930740.37 0.3778 0.3225

Mercury -75704-07-01 00:56 J -25929281.59 -25929281.46 -25929281.32 0.3590 0.1186

Mercury -75698-01-15 02:52 J -25927257.52 -25927257.38 -25927257.25 0.3594 0.0895

Mercury -75693-07-31 04:04 J -25925233.41 -25925233.33 -25925233.25 0.3597 0.2875

Mercury -75679-05-26 06:13 J -25920186.31 -25920186.24 -25920186.17 0.3793 0.2906

Mercury -75674-12-09 23:59 J -25918162.60 -25918162.50 -25918162.41 0.3790 0.1653

Mercury -75668-06-24 17:44 J -25916138.87 -25916138.76 -25916138.66 0.3787 0.0386

Mercury -75662-01-08 11:30 J -25914115.12 -25914115.02 -25914114.91 0.3784 0.0964

Mercury -75657-07-24 05:44 J -25912091.35 -25912091.26 -25912091.18 0.3781 0.2320

Mercury -75653-07-21 23:01 J -25910632.63 -25910632.54 -25910632.44 0.3588 0.2650

Mercury -75651-02-06 23:59 J -25910067.52 -25910067.50 -25910067.48 0.3777 0.3695

Mercury -75647-02-05 01:11 J -25908608.58 -25908608.45 -25908608.31 0.3591 0.0508

Mercury -75642-08-22 02:52 J -25906584.50 -25906584.38 -25906584.25 0.3595 0.1552

Mercury -75636-03-07 04:04 J -25904560.35 -25904560.33 -25904560.30 0.3598 0.3521

Mercury -75628-06-16 10:47 J -25901537.07 -25901537.05 -25901537.04 0.3795 0.3732

Mercury -75623-12-31 04:18 J -25899513.40 -25899513.32 -25899513.24 0.3793 0.2493

Mercury -75617-07-15 21:49 J -25897489.69 -25897489.59 -25897489.49 0.3790 0.1224

Mercury -75611-01-29 15:35 J -25895465.96 -25895465.85 -25895465.74 0.3787 0.0126

Mercury -75606-08-15 09:35 J -25893442.20 -25893442.10 -25893442.00 0.3783 0.1414

Mercury -75600-02-28 03:49 J -25891418.42 -25891418.34 -25891418.27 0.3780 0.2775

Mercury -75596-02-25 23:30 J -25889959.64 -25889959.52 -25889959.40 0.3589 0.1941

Mercury -75591-09-12 01:25 J -25887935.58 -25887935.44 -25887935.30 0.3592 0.0179

Mercury -75585-03-28 02:52 J -25885911.48 -25885911.38 -25885911.27 0.3596 0.2219

Mercury -75571-01-21 08:37 J -25880864.19 -25880864.14 -25880864.09 0.3795 0.3333

Mercury -75566-08-07 02:08 J -25878840.50 -25878840.41 -25878840.32 0.3792 0.2077

Mercury -75560-02-19 19:54 J -25876816.78 -25876816.67 -25876816.57 0.3789 0.0799

Mercury -75555-09-05 13:40 J -25874793.04 -25874792.93 -25874792.82 0.3786 0.0527

Mercury -75549-03-21 07:40 J -25872769.27 -25872769.18 -25872769.08 0.3782 0.1866

Mercury -75545-03-18 21:20 J -25871310.64 -25871310.61 -25871310.57 0.3586 0.3440

Mercury -75544-10-05 01:54 J -25870745.47 -25870745.42 -25870745.37 0.3779 0.3240

Mercury -75540-10-02 23:44 J -25869286.64 -25869286.51 -25869286.38 0.3589 0.1248

Mercury -75534-04-19 01:40 J -25867262.57 -25867262.43 -25867262.30 0.3593 0.0862

Mercury -75529-11-02 03:06 J -25865238.45 -25865238.37 -25865238.29 0.3597 0.2878

Mercury -75515-08-28 06:42 J -25860191.29 -25860191.22 -25860191.16 0.3794 0.2923

Mercury -75509-03-13 00:13 J -25858167.59 -25858167.49 -25858167.40 0.3791 0.1659

Mercury -75504-09-26 17:59 J -25856143.86 -25856143.75 -25856143.65 0.3788 0.0381

Mercury -75498-04-12 11:44 J -25854120.11 -25854120.01 -25854119.90 0.3785 0.0970

Mercury -75493-10-26 05:44 J -25852096.34 -25852096.26 -25852096.17 0.3782 0.2332

Mercury -75489-10-23 21:49 J -25850637.68 -25850637.59 -25850637.50 0.3587 0.2715

Mercury -75487-05-11 23:59 J -25850072.51 -25850072.50 -25850072.48 0.3778 0.3720

Mercury -75483-05-09 23:59 J -25848613.64 -25848613.50 -25848613.36 0.3590 0.0550

Mercury -75478-11-24 01:54 J -25846589.55 -25846589.42 -25846589.30 0.3594 0.1548

Mercury -75472-06-09 03:06 J -25844565.39 -25844565.37 -25844565.35 0.3597 0.3536

Mercury -75464-09-18 11:01 J -25841542.05 -25841542.04 -25841542.03 0.3796 0.3755

Mercury -75458-04-04 04:32 J -25839518.39 -25839518.31 -25839518.23 0.3793 0.2506

Mercury -75453-10-17 22:04 J -25837494.68 -25837494.58 -25837494.47 0.3790 0.1237

Mercury -75447-05-03 16:04 J -25835470.94 -25835470.83 -25835470.73 0.3787 0.0168

Mercury -75442-11-17 09:49 J -25833447.19 -25833447.09 -25833446.99 0.3784 0.1427

Mercury -75436-06-02 04:04 J -25831423.40 -25831423.33 -25831423.26 0.3781 0.2798

Mercury -75432-05-30 22:18 J -25829964.69 -25829964.57 -25829964.45 0.3588 0.1996

Mercury -75427-12-15 00:28 J -25827940.63 -25827940.48 -25827940.34 0.3591 0.0197

Mercury -75421-06-30 01:54 J -25825916.52 -25825916.42 -25825916.31 0.3595 0.2225

Mercury -75407-04-25 09:06 J -25820869.17 -25820869.12 -25820869.08 0.3795 0.3345

Mercury -75402-11-09 02:37 J -25818845.48 -25818845.39 -25818845.30 0.3792 0.2085

Mercury -75396-05-24 20:08 J -25816821.76 -25816821.66 -25816821.55 0.3790 0.0796

Mercury -75391-12-08 14:08 J -25814798.02 -25814797.91 -25814797.81 0.3786 0.0550

Mercury -75385-06-23 07:54 J -25812774.26 -25812774.17 -25812774.07 0.3783 0.1894

Mercury -75381-06-20 20:08 J -25811315.68 -25811315.66 -25811315.63 0.3586 0.3503

Mercury -75379-01-07 02:08 J -25810750.46 -25810750.41 -25810750.36 0.3780 0.3271

Mercury -75375-01-04 22:32 J -25809291.69 -25809291.56 -25809291.43 0.3589 0.1289

Mercury -75370-07-22 00:28 J -25807267.61 -25807267.48 -25807267.34 0.3592 0.0854

Mercury -75364-02-04 02:08 J -25805243.49 -25805243.41 -25805243.33 0.3596 0.2891

Mercury -75351-11-30 06:56 J -25800196.27 -25800196.21 -25800196.14 0.3794 0.2929

Mercury -75345-06-15 00:28 J -25798172.57 -25798172.48 -25798172.38 0.3792 0.1660

Mercury -75340-12-29 18:13 J -25796148.85 -25796148.74 -25796148.63 0.3789 0.0352

Mercury -75334-07-15 12:13 J -25794125.10 -25794124.99 -25794124.89 0.3786 0.0996

Mercury -75328-01-28 06:13 J -25792101.33 -25792101.24 -25792101.16 0.3782 0.2352

Mercury -75324-01-25 20:37 J -25790642.73 -25790642.64 -25790642.55 0.3586 0.2774

Mercury -75323-08-14 00:13 J -25790077.49 -25790077.49 -25790077.48 0.3779 0.3753

Mercury -75319-08-11 22:47 J -25788618.69 -25788618.55 -25788618.41 0.3590 0.0589

Mercury -75313-02-26 00:42 J -25786594.59 -25786594.47 -25786594.34 0.3593 0.1535

Mercury -75308-09-11 01:54 J -25784570.44 -25784570.42 -25784570.40 0.3597 0.3545

Mercury -75300-12-21 11:30 J -25781547.03 -25781547.02 -25781547.01 0.3796 0.3765

Mercury -75294-07-07 05:01 J -25779523.37 -25779523.29 -25779523.21 0.3794 0.2510

Mercury -75288-01-19 22:32 J -25777499.66 -25777499.56 -25777499.46 0.3791 0.1227

Mercury -75283-08-05 16:18 J -25775475.93 -25775475.82 -25775475.71 0.3788 0.0096

Mercury -75277-02-19 10:04 J -25773452.18 -25773452.08 -25773451.98 0.3785 0.1443

Mercury -75272-09-04 04:18 J -25771428.39 -25771428.32 -25771428.25 0.3782 0.2820

Mercury -75268-09-01 20:52 J -25769969.74 -25769969.63 -25769969.51 0.3587 0.2065

Mercury -75262-03-18 23:16 J -25767945.67 -25767945.53 -25767945.39 0.3591 0.0152

Mercury -75257-10-02 00:42 J -25765921.57 -25765921.47 -25765921.36 0.3594 0.2206

Mercury -75243-07-28 09:20 J -25760874.15 -25760874.11 -25760874.06 0.3796 0.3354

Mercury -75237-02-11 02:52 J -25758850.47 -25758850.38 -25758850.29 0.3793 0.2090

Mercury -75232-08-26 20:37 J -25756826.75 -25756826.64 -25756826.54 0.3790 0.0796

Mercury -75226-03-12 14:23 J -25754803.01 -25754802.90 -25754802.80 0.3787 0.0555

Mercury -75221-09-25 08:08 J -25752779.25 -25752779.16 -25752779.06 0.3784 0.1906

Mercury -75215-04-11 02:23 J -25750755.45 -25750755.40 -25750755.35 0.3780 0.3291

Mercury -75211-04-08 21:20 J -25749296.74 -25749296.61 -25749296.48 0.3588 0.1339

Mercury -75206-10-23 23:30 J -25747272.66 -25747272.52 -25747272.39 0.3591 0.0831

Mercury -75200-05-09 00:56 J -25745248.54 -25745248.46 -25745248.38 0.3595 0.2888

Mercury -75186-03-04 07:25 J -25740201.26 -25740201.19 -25740201.13 0.3795 0.2945

Mercury -75181-09-17 00:56 J -25738177.56 -25738177.46 -25738177.37 0.3792 0.1666

Mercury -75175-04-02 18:28 J -25736153.83 -25736153.73 -25736153.62 0.3789 0.0364

Mercury -75170-10-17 12:28 J -25734130.09 -25734129.98 -25734129.88 0.3786 0.1005

Mercury -75164-05-02 06:28 J -25732106.32 -25732106.23 -25732106.15 0.3783 0.2375

Mercury -75160-04-29 19:11 J -25730647.78 -25730647.70 -25730647.61 0.3586 0.2852

Mercury -75159-11-16 00:28 J -25730082.48 -25730082.48 -25730082.48 0.3780 0.3779

Mercury -75155-11-13 21:49 J -25728623.73 -25728623.59 -25728623.45 0.3589 0.0616

Mercury -75149-05-29 23:30 J -25726599.64 -25726599.52 -25726599.39 0.3592 0.1527

Mercury -75144-12-14 00:56 J -25724575.47 -25724575.46 -25724575.44 0.3596 0.3568

Mercury -75135-03-25 11:44 J -25721552.01 -25721552.01 -25721552.00 0.3797 0.3785

Mercury	-75130-10-09 05:16 J	-25719528.36	-25719528.28	-25719528.20	0.3794	0.2518
Mercury	-75124-04-23 22:47 J	-25717504.65	-25717504.55	-25717504.45	0.3792	0.1228
Mercury	-75119-11-07 16:32 J	-25715480.92	-25715480.81	-25715480.70	0.3789	0.0106
Mercury	-75113-05-23 10:32 J	-25713457.16	-25713457.06	-25713456.96	0.3785	0.1466
Mercury	-75108-12-07 04:32 J	-25711433.38	-25711433.31	-25711433.24	0.3782	0.2846
Mercury	-75104-12-04 19:40 J	-25709974.79	-25709974.68	-25709974.56	0.3586	0.2111
Mercury	-75098-06-20 22:04 J	-25707950.72	-25707950.58	-25707950.44	0.3590	0.0108
Mercury	-75092-01-03 23:44 J	-25705926.62	-25705926.51	-25705926.40	0.3593	0.2215
Mercury	-75079-10-30 09:49 J	-25700879.14	-25700879.09	-25700879.05	0.3796	0.3367
Mercury	-75073-05-15 03:20 J	-25698855.45	-25698855.36	-25698855.28	0.3794	0.2096
Mercury	-75068-11-28 20:52 J	-25696831.73	-25696831.63	-25696831.52	0.3791	0.0781
Mercury	-75062-06-14 14:37 J	-25694808.00	-25694807.89	-25694807.78	0.3788	0.0556
Mercury	-75057-12-28 08:37 J	-25692784.24	-25692784.14	-25692784.05	0.3785	0.1929
Mercury	-75051-07-14 02:37 J	-25690760.44	-25690760.39	-25690760.34	0.3781	0.3327
Mercury	-75047-07-11 20:08 J	-25689301.79	-25689301.66	-25689301.53	0.3587	0.1372
Mercury	-75041-01-25 22:18 J	-25687277.71	-25687277.57	-25687277.43	0.3591	0.0816
Mercury	-75036-08-10 23:59 J	-25685253.58	-25685253.50	-25685253.42	0.3594	0.2902
Mercury	-75022-06-06 07:40 J	-25680206.24	-25680206.18	-25680206.11	0.3796	0.2946
Mercury	-75017-12-20 01:11 J	-25678182.54	-25678182.45	-25678182.35	0.3793	0.1655
Mercury	-75011-07-05 18:56 J	-25676158.82	-25676158.71	-25676158.60	0.3790	0.0339
Mercury	-75005-01-19 12:42 J	-25674135.08	-25674134.97	-25674134.87	0.3787	0.1017

75TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 75th millennium BCE.

PLANET	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
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TRANSIT

TIME

Mercury	-75000-08-04 06:42 J	-25672111.30	-25672111.22	-25672111.14	0.3784	0.2402
Mercury	-74996-08-01 17:59 J	-25670652.83	-25670652.75	-25670652.67	0.3585	0.2913
Mercury	-74990-02-15 20:37 J	-25668628.78	-25668628.64	-25668628.50	0.3588	0.0646
Mercury	-74985-08-31 22:32 J	-25666604.69	-25666604.56	-25666604.44	0.3592	0.1514
Mercury	-74979-03-17 23:59 J	-25664580.50	-25664580.50	-25664580.49	0.3595	0.3585
Mercury	-74971-06-27 12:13 J	-25661556.99	-25661556.99	-25661556.98	0.3797	0.3788
Mercury	-74965-01-11 05:44 J	-25659533.34	-25659533.26	-25659533.18	0.3795	0.2521
Mercury	-74960-07-26 23:16 J	-25657509.63	-25657509.53	-25657509.43	0.3792	0.1214
Mercury	-74954-02-09 16:47 J	-25655485.90	-25655485.80	-25655485.69	0.3789	0.0167
Mercury	-74949-08-25 10:47 J	-25653462.15	-25653462.05	-25653461.95	0.3786	0.1481
Mercury	-74943-03-11 04:47 J	-25651438.37	-25651438.30	-25651438.23	0.3783	0.2872
Mercury	-74939-03-08 18:28 J	-25649979.84	-25649979.73	-25649979.62	0.3586	0.2161
Mercury	-74934-09-22 20:52 J	-25647955.78	-25647955.63	-25647955.49	0.3589	0.0124
Mercury	-74928-04-07 22:32 J	-25645931.66	-25645931.56	-25645931.45	0.3593	0.2220
Mercury	-74914-02-01 10:04 J	-25640884.12	-25640884.08	-25640884.03	0.3797	0.3379
Mercury	-74909-08-17 03:35 J	-25638860.44	-25638860.35	-25638860.26	0.3794	0.2088
Mercury	-74903-03-02 21:06 J	-25636836.72	-25636836.62	-25636836.51	0.3792	0.0782
Mercury	-74898-09-16 14:52 J	-25634812.98	-25634812.88	-25634812.77	0.3789	0.0577
Mercury	-74892-04-01 08:52 J	-25632789.23	-25632789.13	-25632789.04	0.3785	0.1948
Mercury	-74887-10-16 02:52 J	-25630765.43	-25630765.38	-25630765.33	0.3782	0.3354
Mercury	-74883-10-13 18:56 J	-25629306.84	-25629306.71	-25629306.58	0.3587	0.1425
Mercury	-74877-04-28 21:06 J	-25627282.76	-25627282.62	-25627282.49	0.3590	0.0792
Mercury	-74872-11-12 22:47 J	-25625258.63	-25625258.55	-25625258.47	0.3593	0.2919
Mercury	-74858-09-08 08:08 J	-25620211.23	-25620211.16	-25620211.10	0.3796	0.2953
Mercury	-74852-03-24 01:40 J	-25618187.53	-25618187.43	-25618187.34	0.3794	0.1663
Mercury	-74847-10-07 19:11 J	-25616163.81	-25616163.70	-25616163.59	0.3791	0.0330
Mercury	-74841-04-22 12:56 J	-25614140.06	-25614139.96	-25614139.86	0.3788	0.1033
Mercury	-74836-11-06 06:56 J	-25612116.30	-25612116.21	-25612116.13	0.3784	0.2422

Mercury -74832-11-03 16:47 J -25610657.88 -25610657.80 -25610657.73 0.3584 0.2968

Mercury -74826-05-20 19:11 J -25608633.84 -25608633.70 -25608633.56 0.3587 0.0686

Mercury -74821-12-03 21:20 J -25606609.74 -25606609.61 -25606609.48 0.3591 0.1514

Mercury -74801-04-14 05:59 J -25599538.33 -25599538.25 -25599538.17 0.3796 0.2523

Mercury -74796-10-28 23:30 J -25597514.62 -25597514.52 -25597514.42 0.3793 0.1213

Mercury -74790-05-14 17:16 J -25595490.89 -25595490.78 -25595490.67 0.3790 0.0155

Mercury -74785-11-27 11:01 J -25593467.14 -25593467.04 -25593466.94 0.3787 0.1502

Mercury -74779-06-13 05:01 J -25591443.36 -25591443.29 -25591443.22 0.3784 0.2906

Mercury -74775-06-10 17:16 J -25589984.89 -25589984.78 -25589984.67 0.3585 0.2204

Mercury -74770-12-25 19:40 J -25587960.82 -25587960.68 -25587960.54 0.3588 0.0068

Mercury -74764-07-10 21:35 J -25585936.71 -25585936.60 -25585936.49 0.3592 0.2231

Mercury -74750-05-06 10:32 J -25580889.11 -25580889.06 -25580889.01 0.3798 0.3378

Mercury -74745-11-19 04:04 J -25578865.42 -25578865.33 -25578865.24 0.3795 0.2086

Mercury -74739-06-04 21:35 J -25576841.71 -25576841.60 -25576841.50 0.3792 0.0765

Mercury -74734-12-19 15:20 J -25574817.97 -25574817.86 -25574817.76 0.3789 0.0606

Mercury -74728-07-04 09:06 J -25572794.21 -25572794.12 -25572794.03 0.3786 0.1977

Mercury -74722-01-18 03:06 J -25570770.41 -25570770.37 -25570770.32 0.3783 0.3392

Mercury -74718-01-15 17:44 J -25569311.89 -25569311.76 -25569311.63 0.3586 0.1454

Mercury -74713-07-31 19:54 J -25567287.81 -25567287.67 -25567287.53 0.3589 0.0785

Mercury -74707-02-14 21:49 J -25565263.67 -25565263.59 -25565263.51 0.3593 0.2939

Mercury -74694-12-11 08:23 J -25560216.21 -25560216.15 -25560216.08 0.3797 0.2953

Mercury -74688-06-26 01:54 J -25558192.51 -25558192.42 -25558192.32 0.3794 0.1646

Mercury -74682-01-09 19:25 J -25556168.79 -25556168.69 -25556168.58 0.3792 0.0350

Mercury -74677-07-25 13:25 J -25554145.05 -25554144.94 -25554144.84 0.3788 0.1073

Mercury -74671-02-08 07:11 J -25552121.28 -25552121.20 -25552121.12 0.3785 0.2453

Mercury -74667-02-05 15:20 J -25550662.93 -25550662.86 -25550662.78 0.3584 0.3018

Mercury -74662-08-22 17:59 J -25548638.89 -25548638.75 -25548638.61 0.3587 0.0714

Mercury -74656-03-07 20:08 J -25546614.78 -25546614.66 -25546614.53 0.3590 0.1516

Mercury -74637-07-17 06:28 J -25539543.31 -25539543.23 -25539543.15 0.3796 0.2513

Mercury -74631-01-30 23:59 J -25537519.61 -25537519.50 -25537519.40 0.3794 0.1209

Mercury -74626-08-16 17:30 J -25535495.88 -25535495.77 -25535495.66 0.3791 0.0165

Mercury -74620-03-01 11:16 J -25533472.13 -25533472.03 -25533471.93 0.3788 0.1525

Mercury -74615-09-15 05:16 J -25531448.35 -25531448.28 -25531448.21 0.3785 0.2937

Mercury -74611-09-12 15:49 J -25529989.95 -25529989.84 -25529989.73 0.3584 0.2266

Mercury -74605-03-28 18:28 J -25527965.88 -25527965.73 -25527965.59 0.3588 0.0107

Mercury -74600-10-12 20:23 J -25525941.76 -25525941.65 -25525941.54 0.3591 0.2225

Mercury -74586-08-08 11:01 J -25520894.09 -25520894.04 -25520894.00 0.3798 0.3380

Mercury -74580-02-21 04:18 J -25518870.41 -25518870.32 -25518870.23 0.3796 0.2084

Mercury -74575-09-06 21:49 J -25516846.69 -25516846.59 -25516846.48 0.3793 0.0754

Mercury -74569-03-22 15:35 J -25514822.96 -25514822.85 -25514822.75 0.3790 0.0614

Mercury -74564-10-06 09:20 J -25512799.20 -25512799.11 -25512799.02 0.3787 0.2000

Mercury -74558-04-22 03:20 J -25510775.40 -25510775.36 -25510775.32 0.3783 0.3423

Mercury -74554-04-19 16:18 J -25509316.95 -25509316.82 -25509316.69 0.3585 0.1502

Mercury -74549-11-02 18:42 J -25507292.86 -25507292.72 -25507292.58 0.3588 0.0779

Mercury -74543-05-19 20:37 J -25505268.72 -25505268.64 -25505268.56 0.3592 0.2942

Mercury -74529-03-14 08:52 J -25500221.20 -25500221.13 -25500221.07 0.3797 0.2953

Mercury -74524-09-28 02:23 J -25498197.50 -25498197.40 -25498197.31 0.3795 0.1648

Mercury -74518-04-13 19:54 J -25496173.78 -25496173.67 -25496173.56 0.3792 0.0303

Mercury -74513-10-27 13:40 J -25494150.04 -25494149.93 -25494149.83 0.3789 0.1089

Mercury -74507-05-13 07:25 J -25492126.27 -25492126.19 -25492126.11 0.3786 0.2488

Mercury -74503-05-10 13:54 J -25490667.99 -25490667.92 -25490667.85 0.3583 0.3089

Mercury -74498-11-24 16:47 J -25488643.94 -25488643.80 -25488643.66 0.3586 0.0736

Mercury -74492-06-09 19:11 J -25486619.83 -25486619.70 -25486619.58 0.3589 0.1519

Mercury -74473-10-19 06:42 J -25479548.30 -25479548.22 -25479548.14 0.3797 0.2517

Mercury -74467-05-05 00:13 J -25477524.59 -25477524.49 -25477524.39 0.3794 0.1189

Mercury -74462-11-18 17:44 J -25475500.86 -25475500.76 -25475500.65 0.3791 0.0236

Mercury -74456-06-03 11:30 J -25473477.11 -25473477.02 -25473476.92 0.3788 0.1560

Mercury -74451-12-18 05:30 J -25471453.33 -25471453.27 -25471453.20 0.3785 0.2977

Mercury -74447-12-15 14:37 J -25469995.00 -25469994.89 -25469994.78 0.3584 0.2304

Mercury -74441-06-30 17:16 J -25467970.92 -25467970.78 -25467970.64 0.3587 0.0041

Mercury -74435-01-14 19:25 J -25465946.80 -25465946.69 -25465946.59 0.3590 0.2248

Mercury -74422-11-10 11:16 J -25460899.07 -25460899.03 -25460898.98 0.3799 0.3385

Mercury -74416-05-26 04:47 J -25458875.39 -25458875.30 -25458875.21 0.3796 0.2075

Mercury -74411-12-09 22:18 J -25456851.68 -25456851.57 -25456851.47 0.3793 0.0736

Mercury -74405-06-24 15:49 J -25454827.94 -25454827.84 -25454827.73 0.3791 0.0643

Mercury -74399-01-08 09:35 J -25452804.19 -25452804.10 -25452804.00 0.3788 0.2044

Mercury -74394-07-25 03:35 J -25450780.39 -25450780.35 -25450780.31 0.3784 0.3471

Mercury -74390-07-22 15:06 J -25449322.00 -25449321.87 -25449321.74 0.3585 0.1532

Mercury -74384-02-04 17:30 J -25447297.90 -25447297.77 -25447297.63 0.3588 0.0780

Mercury -74379-08-21 19:25 J -25445273.76 -25445273.69 -25445273.61 0.3591 0.2962

Mercury -74365-06-16 09:20 J -25440226.18 -25440226.11 -25440226.05 0.3798 0.2948

Mercury -74360-12-31 02:37 J -25438202.48 -25438202.39 -25438202.29 0.3796 0.1626

Mercury -74354-07-16 20:08 J -25436178.76 -25436178.66 -25436178.55 0.3793 0.0295

Mercury -74348-01-29 13:54 J -25434155.02 -25434154.92 -25434154.82 0.3790 0.1106

Mercury -74343-08-15 07:40 J -25432131.26 -25432131.18 -25432131.10 0.3787 0.2528

Mercury -74339-08-12 12:42 J -25430673.04 -25430672.97 -25430672.91 0.3582 0.3143

Mercury -74333-02-26 15:35 J -25428648.99 -25428648.85 -25428648.71 0.3585 0.0764

Mercury -74328-09-11 17:44 J -25426624.89 -25426624.76 -25426624.63 0.3589 0.1507

Mercury -74308-01-21 07:11 J -25419553.28 -25419553.20 -25419553.12 0.3798 0.2510

Mercury -74303-08-07 00:42 J -25417529.57 -25417529.47 -25417529.37 0.3795 0.1176

Mercury -74297-02-20 18:13 J -25415505.85 -25415505.74 -25415505.64 0.3792 0.0204

Mercury -74292-09-05 11:59 J -25413482.10 -25413482.00 -25413481.90 0.3789 0.1588

Mercury -74286-03-22 05:44 J -25411458.32 -25411458.26 -25411458.19 0.3786 0.3009

Mercury -74282-03-19 13:11 J -25410000.06 -25409999.95 -25409999.84 0.3583 0.2353

Mercury -74277-10-02 15:49 J -25407975.98 -25407975.84 -25407975.70 0.3586 0.0055

Mercury -74271-04-18 17:59 J -25405951.85 -25405951.75 -25405951.64 0.3589 0.2250

Mercury -74257-02-12 11:44 J -25400904.06 -25400904.01 -25400903.96 0.3799 0.3382

Mercury -74252-08-28 05:01 J -25398880.38 -25398880.29 -25398880.20 0.3797 0.2065

Mercury -74246-03-13 22:32 J -25396856.66 -25396856.56 -25396856.45 0.3794 0.0718

Mercury -74241-09-26 16:04 J -25394832.93 -25394832.83 -25394832.72 0.3791 0.0676

Mercury -74235-04-12 10:04 J -25392809.17 -25392809.08 -25392808.99 0.3788 0.2073

Mercury -74230-10-27 03:49 J -25390785.38 -25390785.34 -25390785.30 0.3785 0.3504

Mercury -74226-10-24 13:40 J -25389327.06 -25389326.93 -25389326.80 0.3584 0.1570

Mercury -74220-05-09 16:18 J -25387302.96 -25387302.82 -25387302.68 0.3587 0.0759

Mercury -74215-11-23 18:28 J -25385278.81 -25385278.73 -25385278.66 0.3590 0.2994

Mercury -74201-09-18 09:35 J -25380231.16 -25380231.10 -25380231.03 0.3799 0.2945

Mercury -74195-04-04 03:06 J -25378207.47 -25378207.37 -25378207.28 0.3796 0.1624

Mercury -74190-10-18 20:37 J -25376183.75 -25376183.64 -25376183.54 0.3793 0.0300

Mercury -74184-05-03 14:08 J -25374160.01 -25374159.91 -25374159.81 0.3791 0.1138

Mercury -74179-11-17 07:54 J -25372136.24 -25372136.17 -25372136.09 0.3787 0.2562

Mercury -74175-11-14 11:16 J -25370678.09 -25370678.03 -25370677.96 0.3582 0.3187

Mercury -74169-05-30 14:08 J -25368654.05 -25368653.91 -25368653.77 0.3585 0.0791

Mercury -74164-12-14 16:32 J -25366629.93 -25366629.81 -25366629.68 0.3588 0.1522

Mercury -74144-04-25 07:40 J -25359558.26 -25359558.18 -25359558.11 0.3798 0.2505

Mercury -74139-11-09 00:56 J -25357534.56 -25357534.46 -25357534.36 0.3795 0.1159

Mercury -74133-05-24 18:28 J -25355510.84 -25355510.73 -25355510.62 0.3793 0.0223

Mercury -74128-12-08 12:13 J -25353487.09 -25353486.99 -25353486.89 0.3790 0.1620

Mercury -74122-06-24 05:59 J -25351463.31 -25351463.25 -25351463.18 0.3787 0.3055

Mercury -74118-06-21 11:59 J -25350005.11 -25350005.00 -25350004.90 0.3582 0.2388

Mercury -74112-01-04 14:37 J -25347981.03 -25347980.89 -25347980.75 0.3585 0.0058

Mercury -74107-07-21 17:01 J -25345956.90 -25345956.79 -25345956.68 0.3589 0.2271

Mercury -74093-05-16 12:13 J -25340909.04 -25340908.99 -25340908.95 0.3800 0.3378

Mercury -74088-11-30 05:30 J -25338885.36 -25338885.27 -25338885.18 0.3797 0.2052

Mercury -74082-06-15 23:01 J -25336861.65 -25336861.54 -25336861.44 0.3795 0.0711

Mercury -74077-12-29 16:32 J -25334837.92 -25334837.81 -25334837.71 0.3792 0.0691

Mercury -74071-07-15 10:18 J -25332814.16 -25332814.07 -25332813.98 0.3789 0.2107

Mercury -74065-01-29 04:04 J -25330790.36 -25330790.33 -25330790.29 0.3786 0.3552

Mercury -74061-01-26 12:28 J -25329332.11 -25329331.98 -25329331.85 0.3583 0.1592

Mercury -74056-08-11 15:06 J -25327308.01 -25327307.87 -25327307.73 0.3586 0.0759

Mercury -74050-02-25 17:16 J -25325283.85 -25325283.78 -25325283.71 0.3590 0.3021

Mercury -74037-12-21 10:04 J -25320236.15 -25320236.08 -25320236.01 0.3799 0.2932

Mercury -74031-07-07 03:20 J -25318212.45 -25318212.36 -25318212.26 0.3797 0.1600

Mercury -74025-01-20 20:52 J -25316188.74 -25316188.63 -25316188.52 0.3794 0.0234

Mercury -74020-08-05 14:37 J -25314165.00 -25314164.89 -25314164.79 0.3791 0.1178

Mercury -74014-02-19 08:23 J -25312141.23 -25312141.15 -25312141.08 0.3788 0.2598

Mercury -74010-02-16 09:49 J -25310683.14 -25310683.09 -25310683.03 0.3581 0.3239

Mercury -74005-09-01 12:56 J -25308659.10 -25308658.96 -25308658.82 0.3584 0.0814

74TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 74th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-73999-03-18 15:20 J	-25306634.98	-25306634.86	-25306634.73	0.3587	0.1525		
Mercury	-73980-07-28 07:54 J	-25299563.25	-25299563.17	-25299563.09	0.3799	0.2486		
Mercury	-73974-02-11 01:25 J	-25297539.55	-25297539.44	-25297539.34	0.3796	0.1150		
Mercury	-73969-08-26 18:56 J	-25295515.82	-25295515.71	-25295515.61	0.3793	0.0269		
Mercury	-73963-03-12 12:28 J	-25293492.08	-25293491.98	-25293491.88	0.3790	0.1651		
Mercury	-73958-09-26 06:13 J	-25291468.30	-25291468.24	-25291468.17	0.3788	0.3096		
Mercury	-73954-09-23 10:32 J	-25290010.17	-25290010.06	-25290009.96	0.3582	0.2445		
Mercury	-73948-04-08 13:25 J	-25287986.09	-25287985.94	-25287985.80	0.3585	0.0078		
Mercury	-73943-10-23 15:49 J	-25285961.95	-25285961.84	-25285961.74	0.3588	0.2284		
Mercury	-73929-08-18 12:28 J	-25280914.02	-25280913.98	-25280913.93	0.3801	0.3372		
Mercury	-73923-03-04 05:44 J	-25278890.35	-25278890.26	-25278890.17	0.3798	0.2044		
Mercury	-73918-09-17 23:16 J	-25276866.63	-25276866.53	-25276866.42	0.3796	0.0676		

Mercury -73912-04-02 16:47 J -25274842.90 -25274842.80 -25274842.69 0.3793 0.0719

Mercury -73907-10-17 10:32 J -25272819.15 -25272819.06 -25272818.97 0.3790 0.2140

Mercury -73901-05-02 04:32 J -25270795.35 -25270795.31 -25270795.28 0.3787 0.3598

Mercury -73897-04-29 11:01 J -25269337.17 -25269337.04 -25269336.91 0.3582 0.1633

Mercury -73892-11-13 13:54 J -25267313.06 -25267312.92 -25267312.78 0.3586 0.0765

Mercury -73886-05-30 16:04 J -25265288.90 -25265288.83 -25265288.76 0.3589 0.3038

Mercury -73872-03-25 10:18 J -25260241.13 -25260241.07 -25260241.00 0.3800 0.2933

Mercury -73867-10-09 03:49 J -25258217.44 -25258217.34 -25258217.25 0.3797 0.1588

Mercury -73861-04-23 21:06 J -25256193.72 -25256193.62 -25256193.51 0.3795 0.0261

Mercury -73856-11-07 14:52 J -25254169.98 -25254169.88 -25254169.78 0.3792 0.1202

Mercury -73850-05-24 08:37 J -25252146.22 -25252146.14 -25252146.07 0.3789 0.2638

Mercury -73846-05-21 08:23 J -25250688.20 -25250688.15 -25250688.09 0.3580 0.3299

Mercury -73841-12-04 11:30 J -25248664.16 -25248664.02 -25248663.88 0.3583 0.0830

Mercury -73835-06-20 14:08 J -25246640.03 -25246639.91 -25246639.78 0.3586 0.1540

Mercury -73816-10-30 08:23 J -25239568.23 -25239568.15 -25239568.07 0.3799 0.2481

Mercury -73810-05-16 01:40 J -25237544.53 -25237544.43 -25237544.33 0.3797 0.1119

Mercury -73805-11-28 19:11 J -25235520.81 -25235520.70 -25235520.59 0.3794 0.0271

Mercury -73799-06-14 12:56 J -25233497.06 -25233496.96 -25233496.87 0.3791 0.1695

Mercury -73794-12-29 06:42 J -25231473.28 -25231473.22 -25231473.16 0.3788 0.3143

Mercury -73790-12-26 09:06 J -25230015.22 -25230015.12 -25230015.02 0.3581 0.2470

Mercury -73784-07-11 12:13 J -25227991.14 -25227990.99 -25227990.85 0.3584 0.0085

Mercury -73778-01-25 14:37 J -25225967.00 -25225966.89 -25225966.78 0.3587 0.2311

Mercury -73765-11-20 12:56 J -25220919.01 -25220918.96 -25220918.91 0.3801 0.3361

Mercury -73759-06-06 06:13 J -25218895.33 -25218895.24 -25218895.15 0.3799 0.2019

Mercury -73754-12-20 23:44 J -25216871.62 -25216871.51 -25216871.41 0.3796 0.0655

Mercury -73748-07-05 17:16 J -25214847.89 -25214847.78 -25214847.68 0.3793 0.0759

Mercury -73742-01-19 10:47 J -25212824.13 -25212824.05 -25212823.96 0.3790 0.2189

Mercury -73737-08-04 04:47 J -25210800.33 -25210800.30 -25210800.28 0.3787 0.3650

Mercury -73733-08-01 09:49 J -25209342.22 -25209342.09 -25209341.97 0.3582 0.1658

Mercury -73727-02-15 12:28 J -25207318.11 -25207317.98 -25207317.84 0.3585 0.0775

Mercury -73722-09-01 14:52 J -25205293.95 -25205293.88 -25205293.81 0.3588 0.3068

Mercury -73708-06-27 10:47 J -25200246.11 -25200246.05 -25200245.98 0.3800 0.2914

Mercury -73702-01-11 04:04 J -25198222.42 -25198222.33 -25198222.23 0.3798 0.1564

Mercury -73697-07-26 21:35 J -25196198.71 -25196198.60 -25196198.49 0.3795 0.0177

Mercury -73691-02-09 15:06 J -25194174.97 -25194174.87 -25194174.77 0.3793 0.1238

Mercury -73686-08-26 08:52 J -25192151.20 -25192151.13 -25192151.05 0.3790 0.2685

Mercury -73682-08-23 06:56 J -25190693.26 -25190693.21 -25190693.16 0.3580 0.3346

Mercury -73676-03-08 10:18 J -25188669.21 -25188669.07 -25188668.93 0.3583 0.0844

Mercury -73671-09-22 12:56 J -25186645.09 -25186644.96 -25186644.83 0.3586 0.1540

Mercury -73657-07-18 15:35 J -25181596.85 -25181596.85 -25181596.85 0.3802 0.3793

Mercury -73651-02-01 08:37 J -25179573.22 -25179573.14 -25179573.06 0.3800 0.2467

Mercury -73646-08-18 02:08 J -25177549.51 -25177549.41 -25177549.31 0.3797 0.1095

Mercury -73640-03-02 19:25 J -25175525.79 -25175525.69 -25175525.58 0.3795 0.0328

Mercury -73635-09-16 13:11 J -25173502.05 -25173501.95 -25173501.86 0.3792 0.1728

Mercury -73629-04-01 06:56 J -25171478.27 -25171478.21 -25171478.15 0.3789 0.3183

Mercury -73625-03-29 07:40 J -25170020.28 -25170020.18 -25170020.08 0.3580 0.2513

Mercury -73620-10-13 10:47 J -25167996.20 -25167996.05 -25167995.91 0.3583 0.0092

Mercury -73614-04-29 13:11 J -25165972.05 -25165971.95 -25165971.84 0.3587 0.2322

Mercury -73600-02-22 13:25 J -25160923.99 -25160923.94 -25160923.90 0.3802 0.3357

Mercury -73595-09-08 06:42 J -25158900.31 -25158900.22 -25158900.13 0.3799 0.2007

Mercury -73589-03-23 23:59 J -25156876.61 -25156876.50 -25156876.40 0.3797 0.0627

Mercury -73584-10-07 17:30 J -25154852.88 -25154852.77 -25154852.67 0.3794 0.0784

Mercury -73578-04-23 11:16 J -25152829.12 -25152829.03 -25152828.95 0.3791 0.2227

Mercury -73573-11-06 05:01 J -25150805.31 -25150805.29 -25150805.27 0.3788 0.3692

Mercury -73569-11-03 08:23 J -25149347.28 -25149347.15 -25149347.02 0.3581 0.1682

Mercury -73563-05-20 11:16 J -25147323.17 -25147323.03 -25147322.89 0.3584 0.0760

Mercury -73558-12-04 13:40 J -25145299.00 -25145298.93 -25145298.86 0.3587 0.3105

Mercury -73544-09-29 11:16 J -25140251.10 -25140251.03 -25140250.97 0.3801 0.2905

Mercury -73538-04-15 04:32 J -25138227.41 -25138227.31 -25138227.21 0.3799 0.1542

Mercury -73533-10-28 21:49 J -25136203.69 -25136203.59 -25136203.48 0.3796 0.0204

Mercury -73527-05-14 15:35 J -25134179.95 -25134179.85 -25134179.75 0.3793 0.1282

Mercury -73522-11-28 09:06 J -25132156.19 -25132156.12 -25132156.04 0.3790 0.2733

Mercury -73518-11-25 05:44 J -25130698.31 -25130698.26 -25130698.22 0.3579 0.3380

Mercury -73512-06-10 08:52 J -25128674.27 -25128674.13 -25128673.99 0.3582 0.0862

Mercury -73507-12-25 11:44 J -25126650.14 -25126650.01 -25126649.88 0.3585 0.1561

Mercury -73493-10-20 15:49 J -25121601.84 -25121601.84 -25121601.83 0.3803 0.3790

Mercury -73487-05-06 09:06 J -25119578.20 -25119578.12 -25119578.04 0.3800 0.2442

Mercury -73482-11-20 02:23 J -25117554.50 -25117554.40 -25117554.30 0.3798 0.1072

Mercury -73476-06-04 19:54 J -25115530.78 -25115530.67 -25115530.56 0.3795 0.0338

Mercury -73471-12-19 13:25 J -25113507.03 -25113506.94 -25113506.84 0.3792 0.1775

Mercury -73465-07-04 07:11 J -25111483.25 -25111483.20 -25111483.14 0.3789 0.3238

Mercury -73461-07-01 06:28 J -25110025.33 -25110025.23 -25110025.13 0.3580 0.2535

Mercury -73455-01-15 09:35 J -25108001.25 -25108001.10 -25108000.96 0.3583 0.0121

Mercury -73450-08-01 11:59 J -25105977.10 -25105977.00 -25105976.89 0.3586 0.2356

Mercury -73436-05-27 13:40 J -25100928.97 -25100928.93 -25100928.88 0.3802 0.3343

Mercury -73431-12-11 06:56 J -25098905.30 -25098905.21 -25098905.12 0.3800 0.1983

Mercury -73425-06-26 00:28 J -25096881.59 -25096881.48 -25096881.38 0.3797 0.0609

Mercury -73419-01-09 17:59 J -25094857.86 -25094857.75 -25094857.65 0.3795 0.0841

Mercury -73414-07-26 11:30 J -25092834.10 -25092834.02 -25092833.93 0.3792 0.2274

Mercury -73408-02-08 05:16 J -25090810.29 -25090810.28 -25090810.27 0.3789 0.3746

Mercury -73404-02-05 06:56 J -25089352.33 -25089352.21 -25089352.08 0.3580 0.1701

Mercury -73399-08-22 09:49 J -25087328.23 -25087328.09 -25087327.95 0.3584 0.0772

Mercury -73393-03-07 12:28 J -25085304.05 -25085303.98 -25085303.91 0.3587 0.3137

Mercury -73379-01-01 11:44 J -25080256.08 -25080256.01 -25080255.95 0.3802 0.2883

Mercury -73374-07-18 05:01 J -25078232.39 -25078232.29 -25078232.20 0.3799 0.1517

Mercury -73368-01-30 22:18 J -25076208.68 -25076208.57 -25076208.46 0.3797 0.0115

Mercury -73363-08-16 15:49 J -25074184.94 -25074184.84 -25074184.74 0.3794 0.1320

Mercury -73357-03-01 09:35 J -25072161.18 -25072161.10 -25072161.03 0.3791 0.2778

Mercury -73353-02-27 04:18 J -25070703.36 -25070703.32 -25070703.29 0.3578 0.3427

Mercury -73348-09-12 07:25 J -25068679.33 -25068679.19 -25068679.05 0.3581 0.0885

Mercury -73342-03-29 10:18 J -25066655.19 -25066655.07 -25066654.94 0.3584 0.1575

Mercury -73328-01-22 16:18 J -25061606.83 -25061606.82 -25061606.81 0.3803 0.3778

Mercury -73323-08-08 09:35 J -25059583.18 -25059583.10 -25059583.02 0.3801 0.2420

Mercury -73317-02-22 02:52 J -25057559.49 -25057559.38 -25057559.28 0.3799 0.1050

Mercury -73312-09-06 20:09 J -25055535.76 -25055535.66 -25055535.55 0.3796 0.0398

Mercury -73306-03-23 13:40 J -25053512.02 -25053511.93 -25053511.83 0.3793 0.1817

Mercury -73301-10-06 07:25 J -25051488.24 -25051488.19 -25051488.13 0.3790 0.3286

Mercury -73297-10-03 04:47 J -25050030.40 -25050030.30 -25050030.20 0.3579 0.2585

Mercury -73291-04-19 08:09 J -25048006.31 -25048006.16 -25048006.02 0.3582 0.0087

Mercury -73286-11-03 10:47 J -25045982.15 -25045982.05 -25045981.94 0.3585 0.2375

Mercury -73272-08-29 14:09 J -25040933.96 -25040933.91 -25040933.86 0.3803 0.3324

Mercury -73266-03-15 07:25 J -25038910.28 -25038910.19 -25038910.10 0.3800 0.1961

Mercury -73261-09-28 00:42 J -25036886.57 -25036886.47 -25036886.36 0.3798 0.0565

Mercury -73255-04-13 18:13 J -25034862.85 -25034862.74 -25034862.64 0.3795 0.0862

Mercury -73250-10-28 11:45 J -25032839.09 -25032839.01 -25032838.92 0.3792 0.2317

Mercury -73240-05-10 05:30 J -25029357.40 -25029357.27 -25029357.14 0.3580 0.1737

Mercury -73235-11-24 08:37 J -25027333.28 -25027333.14 -25027333.00 0.3583 0.0782

Mercury -73229-06-09 11:16 J -25025309.10 -25025309.03 -25025308.97 0.3586 0.3171

Mercury -73215-04-05 11:59 J -25020261.07 -25020261.00 -25020260.93 0.3802 0.2869

Mercury -73210-10-20 05:16 J -25018237.38 -25018237.28 -25018237.18 0.3800 0.1491

Mercury -73204-05-04 22:33 J -25016213.66 -25016213.56 -25016213.45 0.3797 0.0175

Mercury -73199-11-18 16:04 J -25014189.93 -25014189.83 -25014189.73 0.3794 0.1362

Mercury -73193-06-03 09:49 J -25012166.16 -25012166.09 -25012166.02 0.3792 0.2827

Mercury -73189-05-31 02:37 J -25010708.42 -25010708.39 -25010708.36 0.3578 0.3473

Mercury -73184-12-15 06:13 J -25008684.38 -25008684.24 -25008684.10 0.3581 0.0887

Mercury -73178-07-01 09:06 J -25006660.25 -25006660.12 -25006659.99 0.3583 0.1601

Mercury -73164-04-26 16:47 J -25001611.81 -25001611.80 -25001611.79 0.3804 0.3765

Mercury -73159-11-10 09:49 J -24999588.17 -24999588.09 -24999588.01 0.3801 0.2408

Mercury -73153-05-26 03:06 J -24997564.47 -24997564.37 -24997564.26 0.3799 0.1019

Mercury -73148-12-09 20:37 J -24995540.75 -24995540.64 -24995540.53 0.3797 0.0410

Mercury -73142-06-25 14:09 J -24993517.00 -24993516.91 -24993516.82 0.3794 0.1860

Mercury -73136-01-08 07:54 J -24991493.22 -24991493.17 -24991493.12 0.3791 0.3345

Mercury -73132-01-05 03:21 J -24990035.45 -24990035.36 -24990035.26 0.3578 0.2611

Mercury -73127-07-22 06:42 J -24988011.36 -24988011.22 -24988011.07 0.3581 0.0100

Mercury -73121-02-05 09:35 J -24985987.20 -24985987.10 -24985987.00 0.3584 0.2408

Mercury -73108-12-01 14:37 J -24980938.94 -24980938.89 -24980938.84 0.3803 0.3305

Mercury -73102-06-17 07:54 J -24978915.27 -24978915.17 -24978915.08 0.3801 0.1939

Mercury -73097-12-31 01:11 J -24976891.56 -24976891.45 -24976891.35 0.3799 0.0532

Mercury -73091-07-16 18:28 J -24974867.83 -24974867.73 -24974867.62 0.3796 0.0917

Mercury -73085-01-30 12:13 J -24972844.08 -24972843.99 -24972843.91 0.3793 0.2371

Mercury -73076-08-12 04:04 J -24969362.45 -24969362.33 -24969362.20 0.3579 0.1753

Mercury -73070-02-26 07:25 J -24967338.33 -24967338.19 -24967338.05 0.3582 0.0798

Mercury -73065-09-11 09:49 J -24965314.15 -24965314.09 -24965314.03 0.3585 0.3207

Mercury -73051-07-08 12:28 J -24960266.05 -24960265.98 -24960265.91 0.3803 0.2843

Mercury -73045-01-22 05:45 J -24958242.36 -24958242.26 -24958242.16 0.3801 0.1461

Mercury -73040-08-06 23:01 J -24956218.65 -24956218.54 -24956218.43 0.3798 0.0063

Mercury -73034-02-20 16:33 J -24954194.91 -24954194.81 -24954194.71 0.3795 0.1404

Mercury -73029-09-05 10:04 J -24952171.14 -24952171.08 -24952171.01 0.3793 0.2884

Mercury -73025-09-02 01:11 J -24950713.47 -24950713.45 -24950713.43 0.3577 0.3517

Mercury -73019-03-19 04:47 J -24948689.44 -24948689.30 -24948689.16 0.3580 0.0894

Mercury -73014-10-03 07:40 J -24946665.30 -24946665.18 -24946665.05 0.3583 0.1605

73RD MILLENNIUM BCE

This is a list of transits visible from Venus in the 73rd millennium BCE.

PLANET	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
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TRANSIT

TIME

Mercury	-73000-07-29 17:16 J	-24941616.80	-24941616.78	-24941616.77	0.3804	0.3741
Mercury	-72994-02-12 10:18 J	-24939593.15	-24939593.07	-24939592.99	0.3802	0.2380
Mercury	-72989-08-28 03:35 J	-24937569.45	-24937569.35	-24937569.25	0.3800	0.0976
Mercury	-72983-03-13 20:52 J	-24935545.73	-24935545.63	-24935545.52	0.3797	0.0455
Mercury	-72978-09-27 14:23 J	-24933521.99	-24933521.90	-24933521.80	0.3795	0.1910
Mercury	-72972-04-12 08:09 J	-24931498.21	-24931498.16	-24931498.12	0.3792	0.3393
Mercury	-72968-04-09 01:54 J	-24930040.52	-24930040.42	-24930040.32	0.3578	0.2644
Mercury	-72963-10-24 05:16 J	-24928016.42	-24928016.28	-24928016.13	0.3581	0.0093
Mercury	-72957-05-09 08:09 J	-24925992.26	-24925992.16	-24925992.05	0.3584	0.2429
Mercury	-72943-03-05 15:06 J	-24920943.92	-24920943.87	-24920943.82	0.3804	0.3293
Mercury	-72938-09-19 08:09 J	-24918920.25	-24918920.16	-24918920.07	0.3802	0.1910
Mercury	-72932-04-04 01:25 J	-24916896.54	-24916896.44	-24916896.33	0.3799	0.0500
Mercury	-72927-10-18 18:57 J	-24914872.82	-24914872.71	-24914872.61	0.3797	0.0950
Mercury	-72921-05-03 12:28 J	-24912849.06	-24912848.98	-24912848.90	0.3794	0.2416
Mercury	-72912-11-14 02:37 J	-24909367.51	-24909367.39	-24909367.26	0.3578	0.1766
Mercury	-72906-05-31 05:59 J	-24907343.39	-24907343.25	-24907343.11	0.3581	0.0796
Mercury	-72901-12-14 08:37 J	-24905319.19	-24905319.14	-24905319.08	0.3584	0.3255
Mercury	-72887-10-10 12:57 J	-24900271.03	-24900270.96	-24900270.89	0.3803	0.2829
Mercury	-72881-04-25 05:59 J	-24898247.34	-24898247.25	-24898247.15	0.3801	0.1435
Mercury	-72876-11-08 23:16 J	-24896223.63	-24896223.53	-24896223.42	0.3798	0.0160
Mercury	-72870-05-25 16:47 J	-24894199.90	-24894199.80	-24894199.70	0.3796	0.1455
Mercury	-72865-12-08 10:33 J	-24892176.13	-24892176.06	-24892176.00	0.3793	0.2938
Mercury	-72861-12-04 23:45 J	-24890718.53	-24890718.51	-24890718.50	0.3577	0.3551
Mercury	-72855-06-21 03:21 J	-24888694.50	-24888694.36	-24888694.22	0.3579	0.0898
Mercury	-72849-01-05 06:28 J	-24886670.36	-24886670.23	-24886670.10	0.3582	0.1633
Mercury	-72836-10-31 17:30 J	-24881621.78	-24881621.77	-24881621.75	0.3805	0.3734
Mercury	-72830-05-17 10:47 J	-24879598.13	-24879598.05	-24879597.97	0.3803	0.2353
Mercury	-72825-11-30 04:04 J	-24877574.44	-24877574.33	-24877574.23	0.3800	0.0953

Mercury -72819-06-15 21:21 J -24875550.72 -24875550.61 -24875550.51 0.3798 0.0495

Mercury -72814-12-30 14:52 J -24873526.97 -24873526.88 -24873526.79 0.3795 0.1963

Mercury -72808-07-15 08:23 J -24871503.19 -24871503.15 -24871503.11 0.3792 0.3458

Mercury -72804-07-12 00:28 J -24870045.57 -24870045.48 -24870045.38 0.3577 0.2657

Mercury -72798-01-26 04:04 J -24868021.48 -24868021.33 -24868021.19 0.3580 0.0049

Mercury -72793-08-11 06:57 J -24865997.31 -24865997.21 -24865997.11 0.3583 0.2470

Mercury -72779-06-07 15:21 J -24860948.91 -24860948.86 -24860948.80 0.3804 0.3271

Mercury -72774-12-22 08:37 J -24858925.23 -24858925.14 -24858925.05 0.3802 0.1872

Mercury -72768-07-07 01:54 J -24856901.53 -24856901.42 -24856901.32 0.3800 0.0454

Mercury -72762-01-20 19:11 J -24854877.80 -24854877.70 -24854877.59 0.3797 0.1004

Mercury -72757-08-05 12:42 J -24852854.05 -24852853.97 -24852853.89 0.3794 0.2482

Mercury -72747-02-16 01:11 J -24849372.57 -24849372.45 -24849372.32 0.3578 0.1778

Mercury -72742-09-02 04:33 J -24847348.45 -24847348.31 -24847348.17 0.3581 0.0806

Mercury -72736-03-18 07:25 J -24845324.24 -24845324.19 -24845324.14 0.3584 0.3297

Mercury -72722-01-12 13:25 J -24840276.01 -24840275.94 -24840275.87 0.3804 0.2800

Mercury -72717-07-28 06:28 J -24838252.33 -24838252.23 -24838252.13 0.3802 0.1391

Mercury -72711-02-10 23:45 J -24836228.62 -24836228.51 -24836228.40 0.3799 0.0037

Mercury -72706-08-27 17:16 J -24834204.88 -24834204.78 -24834204.68 0.3797 0.1505

Mercury -72700-03-12 10:47 J -24832181.12 -24832181.05 -24832180.99 0.3794 0.2988

Mercury -72691-09-23 01:54 J -24828699.56 -24828699.42 -24828699.28 0.3579 0.0918

Mercury -72685-04-08 05:01 J -24826675.41 -24826675.29 -24826675.16 0.3582 0.1657

Mercury -72671-02-02 17:59 J -24821626.77 -24821626.75 -24821626.73 0.3805 0.3713

Mercury -72666-08-19 11:16 J -24819603.12 -24819603.03 -24819602.95 0.3803 0.2325

Mercury -72660-03-04 04:18 J -24817579.42 -24817579.32 -24817579.22 0.3801 0.0913

Mercury -72655-09-17 21:35 J -24815555.70 -24815555.60 -24815555.49 0.3799 0.0550

Mercury -72649-04-02 15:06 J -24813531.96 -24813531.87 -24813531.78 0.3796 0.2007

Mercury -72644-10-17 08:37 J -24811508.17 -24811508.14 -24811508.10 0.3793 0.3516

Mercury -72640-10-13 23:01 J -24810050.64 -24810050.54 -24810050.45 0.3577 0.2700

Mercury -72634-04-30 02:37 J -24808026.54 -24808026.39 -24808026.25 0.3579 0.0120

Mercury -72629-11-13 05:45 J -24806002.36 -24806002.26 -24806002.16 0.3582 0.2506

Mercury -72615-09-09 15:49 J -24800953.89 -24800953.84 -24800953.78 0.3805 0.3245

Mercury -72609-03-25 09:06 J -24798930.22 -24798930.12 -24798930.03 0.3803 0.1853

Mercury -72604-10-09 02:09 J -24796906.51 -24796906.41 -24796906.30 0.3800 0.0433

Mercury -72598-04-24 19:40 J -24794882.79 -24794882.68 -24794882.58 0.3798 0.1044

Mercury -72593-11-07 13:11 J -24792859.03 -24792858.95 -24792858.88 0.3795 0.2529

Mercury -72583-05-20 23:45 J -24789377.64 -24789377.51 -24789377.39 0.3577 0.1804

Mercury -72578-12-05 03:06 J -24787353.51 -24787353.37 -24787353.23 0.3580 0.0836

Mercury -72572-06-20 06:13 J -24785329.29 -24785329.24 -24785329.19 0.3583 0.3345

Mercury -72558-04-16 13:40 J -24780281.00 -24780280.93 -24780280.86 0.3804 0.2775

Mercury -72553-10-30 06:57 J -24778257.31 -24778257.21 -24778257.12 0.3802 0.1369

Mercury -72547-05-16 00:13 J -24776233.60 -24776233.49 -24776233.39 0.3800 0.0143

Mercury -72542-11-29 17:30 J -24774209.86 -24774209.77 -24774209.67 0.3797 0.1553

Mercury -72536-06-14 11:01 J -24772186.10 -24772186.04 -24772185.98 0.3794 0.3052

Mercury -72527-12-26 00:28 J -24768704.62 -24768704.48 -24768704.34 0.3578 0.0911

Mercury -72521-07-11 03:49 J -24766680.47 -24766680.34 -24766680.21 0.3581 0.1698

Mercury -72507-05-07 18:28 J -24761631.75 -24761631.73 -24761631.71 0.3806 0.3687

Mercury -72502-11-21 11:30 J -24759608.10 -24759608.02 -24759607.93 0.3804 0.2295

Mercury -72496-06-06 04:47 J -24757584.40 -24757584.30 -24757584.20 0.3802 0.0872

Mercury -72491-12-20 22:04 J -24755560.68 -24755560.58 -24755560.47 0.3799 0.0587

Mercury -72485-07-05 15:35 J -24753536.94 -24753536.85 -24753536.76 0.3796 0.2071

Mercury -72479-01-19 09:06 J -24751513.15 -24751513.12 -24751513.09 0.3794 0.3582

Mercury -72475-01-15 21:35 J -24750055.70 -24750055.60 -24750055.51 0.3576 0.2711

Mercury -72470-08-02 01:11 J -24748031.60 -24748031.45 -24748031.31 0.3579 0.0039

Mercury -72464-02-15 04:18 J -24746007.42 -24746007.32 -24746007.22 0.3582 0.2549

Mercury -72451-12-12 16:18 J -24740958.87 -24740958.82 -24740958.77 0.3805 0.3216

Mercury -72445-06-27 09:21 J -24738935.20 -24738935.11 -24738935.01 0.3803 0.1813

Mercury -72439-01-11 02:37 J -24736911.49 -24736911.39 -24736911.28 0.3801 0.0373

Mercury -72434-07-27 19:54 J -24734887.77 -24734887.67 -24734887.56 0.3798 0.1103

Mercury -72428-02-09 13:25 J -24732864.02 -24732863.94 -24732863.86 0.3796 0.2584

Mercury -72419-08-22 22:18 J -24729382.70 -24729382.57 -24729382.45 0.3577 0.1818

Mercury -72413-03-08 01:54 J -24727358.56 -24727358.42 -24727358.28 0.3580 0.0854

Mercury -72408-09-22 04:47 J -24725334.35 -24725334.30 -24725334.26 0.3582 0.3380

Mercury -72394-07-19 14:09 J -24720285.98 -24720285.91 -24720285.84 0.3805 0.2740

Mercury -72388-02-01 07:11 J -24718262.29 -24718262.20 -24718262.10 0.3803 0.1330

Mercury -72383-08-18 00:28 J -24716238.58 -24716238.48 -24716238.37 0.3800 0.0181

Mercury -72377-03-02 17:59 J -24714214.85 -24714214.75 -24714214.66 0.3798 0.1609

Mercury -72372-09-16 11:30 J -24712191.08 -24712191.02 -24712190.96 0.3795 0.3116

Mercury -72362-03-29 23:01 J -24708709.68 -24708709.54 -24708709.40 0.3577 0.0919

Mercury -72357-10-13 02:23 J -24706685.53 -24706685.40 -24706685.28 0.3580 0.1707

Mercury -72343-08-09 18:57 J -24701636.73 -24701636.71 -24701636.68 0.3806 0.3658

Mercury -72337-02-23 11:59 J -24699613.08 -24699613.00 -24699612.92 0.3804 0.2262

Mercury -72332-09-08 05:01 J -24697589.39 -24697589.29 -24697589.18 0.3802 0.0845

Mercury -72326-03-24 22:18 J -24695565.67 -24695565.57 -24695565.46 0.3800 0.0643

Mercury -72321-10-07 15:49 J -24693541.93 -24693541.84 -24693541.75 0.3797 0.2120

Mercury -72315-04-23 09:21 J -24691518.14 -24691518.11 -24691518.08 0.3794 0.3640

Mercury -72311-04-19 19:54 J -24690060.76 -24690060.67 -24690060.58 0.3575 0.2739

Mercury -72306-11-03 23:45 J -24688036.66 -24688036.51 -24688036.37 0.3578 0.0050

Mercury -72300-05-20 02:52 J -24686012.48 -24686012.38 -24686012.28 0.3581 0.2576

Mercury -72286-03-16 16:47 J -24680963.86 -24680963.80 -24680963.75 0.3806 0.3194

Mercury -72281-09-29 09:49 J -24678940.18 -24678940.09 -24678940.00 0.3804 0.1776

Mercury -72275-04-15 03:06 J -24676916.48 -24676916.37 -24676916.27 0.3801 0.0358

Mercury -72270-10-29 20:23 J -24674892.75 -24674892.65 -24674892.55 0.3799 0.1146

Mercury -72264-05-14 13:54 J -24672869.00 -24672868.92 -24672868.85 0.3796 0.2652

Mercury -72255-11-24 20:52 J -24669387.76 -24669387.63 -24669387.51 0.3576 0.1821

Mercury -72249-06-10 00:28 J -24667363.62 -24667363.48 -24667363.34 0.3579 0.0870

Mercury -72244-12-25 03:35 J -24665339.39 -24665339.35 -24665339.32 0.3582 0.3439

Mercury -72230-10-21 14:37 J -24660290.97 -24660290.89 -24660290.82 0.3805 0.2715

Mercury -72224-05-06 07:40 J -24658267.28 -24658267.18 -24658267.08 0.3803 0.1284

Mercury -72219-11-20 00:57 J -24656243.57 -24656243.46 -24656243.36 0.3801 0.0188

Mercury -72213-06-04 18:13 J -24654219.83 -24654219.74 -24654219.64 0.3798 0.1660

Mercury -72208-12-19 11:45 J -24652196.07 -24652196.01 -24652195.95 0.3796 0.3177

Mercury -72198-07-01 21:35 J -24648714.74 -24648714.60 -24648714.46 0.3577 0.0908

Mercury -72192-01-15 00:57 J -24646690.58 -24646690.46 -24646690.33 0.3579 0.1749

Mercury -72179-11-11 19:25 J -24641641.72 -24641641.69 -24641641.67 0.3807 0.3640

Mercury -72173-05-27 12:28 J -24639618.07 -24639617.98 -24639617.90 0.3805 0.2228

Mercury -72168-12-11 05:30 J -24637594.37 -24637594.27 -24637594.17 0.3803 0.0788

Mercury -72162-06-26 22:47 J -24635570.65 -24635570.55 -24635570.45 0.3800 0.0682

Mercury -72156-01-09 16:18 J -24633546.91 -24633546.82 -24633546.74 0.3798 0.2189

Mercury -72151-07-26 09:49 J -24631523.11 -24631523.09 -24631523.07 0.3795 0.3713

Mercury -72147-07-22 18:28 J -24630065.82 -24630065.73 -24630065.64 0.3575 0.2751

Mercury -72141-02-05 22:18 J -24628041.72 -24628041.57 -24628041.42 0.3577 0.0011

Mercury -72136-08-22 01:40 J -24626017.53 -24626017.43 -24626017.34 0.3580 0.2620

Mercury -72122-06-18 17:16 J -24620968.84 -24620968.78 -24620968.73 0.3806 0.3160

Mercury -72116-01-01 10:18 J -24618945.16 -24618945.07 -24618944.98 0.3804 0.1732

Mercury -72111-07-18 03:21 J -24616921.46 -24616921.36 -24616921.25 0.3802 0.0313

Mercury -72105-01-31 20:37 J -24614897.74 -24614897.64 -24614897.54 0.3800 0.1206

Mercury -72100-08-16 14:09 J -24612873.98 -24612873.91 -24612873.84 0.3797 0.2715

Mercury -72090-02-26 19:11 J -24609392.82 -24609392.70 -24609392.57 0.3576 0.1827

Mercury -72085-09-11 23:01 J -24607368.69 -24607368.54 -24607368.40 0.3578 0.0893

Mercury -72079-03-29 02:09 J -24605344.44 -24605344.41 -24605344.38 0.3581 0.3490

Mercury -72065-01-23 15:06 J -24600295.95 -24600295.87 -24600295.80 0.3806 0.2679

Mercury -72060-08-08 08:09 J -24598272.26 -24598272.16 -24598272.06 0.3804 0.1238

Mercury -72054-02-22 01:11 J -24596248.55 -24596248.45 -24596248.34 0.3802 0.0262

Mercury -72049-09-06 18:42 J -24594224.82 -24594224.72 -24594224.63 0.3799 0.1723

Mercury -72043-03-23 11:59 J -24592201.05 -24592201.00 -24592200.94 0.3796 0.3240

Mercury -72034-10-03 19:54 J -24588719.81 -24588719.67 -24588719.53 0.3576 0.0920

Mercury -72028-04-18 23:30 J -24586695.64 -24586695.52 -24586695.39 0.3579 0.1778

Mercury -72014-02-13 19:54 J -24581646.70 -24581646.67 -24581646.64 0.3807 0.3611

Mercury -72009-08-29 12:57 J -24579623.05 -24579622.96 -24579622.88 0.3805 0.2190

Mercury -72003-03-15 05:59 J -24577599.36 -24577599.25 -24577599.15 0.3803 0.0749

72ND MILLENNIUM BCE

This is a list of transits visible from Venus in the 72nd millennium BCE.

PLANET	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
	TRANSIT							
	TIME							
Mercury	-71998-09-28 23:16 J	-24575575.64	-24575575.53	-24575575.43	0.3801	0.0749		
Mercury	-71992-04-13 16:33 J	-24573551.90	-24573551.81	-24573551.73	0.3798	0.2241		
Mercury	-71987-10-28 10:04 J	-24571528.09	-24571528.08	-24571528.08	0.3796	0.3776		
Mercury	-71983-10-24 16:47 J	-24570070.89	-24570070.80	-24570070.71	0.3574	0.2783		
Mercury	-71977-05-09 20:37 J	-24568046.78	-24568046.64	-24568046.49	0.3577	0.0105		
Mercury	-71972-11-24 00:13 J	-24566022.59	-24566022.49	-24566022.40	0.3580	0.2666		
Mercury	-71958-09-20 17:30 J	-24560973.82	-24560973.77	-24560973.71	0.3807	0.3133		
Mercury	-71952-04-05 10:33 J	-24558950.15	-24558950.06	-24558949.96	0.3805	0.1704		
Mercury	-71947-10-20 03:49 J	-24556926.45	-24556926.34	-24556926.24	0.3803	0.0248		
Mercury	-71941-05-04 21:06 J	-24554902.72	-24554902.62	-24554902.52	0.3800	0.1254		
Mercury	-71936-11-18 14:23 J	-24552878.97	-24552878.90	-24552878.83	0.3798	0.2771		
Mercury	-71926-05-31 17:45 J	-24549397.89	-24549397.76	-24549397.64	0.3575	0.1845		
Mercury	-71921-12-14 21:35 J	-24547373.74	-24547373.60	-24547373.46	0.3577	0.0920		
Mercury	-71915-07-01 00:57 J	-24545349.48	-24545349.46	-24545349.45	0.3580	0.3554		
Mercury	-71901-04-26 15:21 J	-24540300.93	-24540300.86	-24540300.78	0.3806	0.2647		
Mercury	-71896-11-10 08:23 J	-24538277.25	-24538277.15	-24538277.05	0.3804	0.1208		
Mercury	-71890-05-27 01:40 J	-24536253.54	-24536253.43	-24536253.32	0.3802	0.0277		
Mercury	-71885-12-09 18:57 J	-24534229.80	-24534229.71	-24534229.61	0.3800	0.1781		

Mercury -71879-06-25 12:28 J -24532206.03 -24532205.98 -24532205.93 0.3797 0.3309

Mercury -71869-01-05 18:28 J -24528724.87 -24528724.73 -24528724.59 0.3575 0.0907

Mercury -71864-07-21 22:18 J -24526700.70 -24526700.57 -24526700.45 0.3578 0.1824

Mercury -71850-05-18 20:23 J -24521651.69 -24521651.65 -24521651.62 0.3808 0.3578

Mercury -71845-12-01 13:11 J -24519628.03 -24519627.95 -24519627.86 0.3806 0.2152

Mercury -71839-06-17 06:13 J -24517604.34 -24517604.24 -24517604.13 0.3804 0.0712

Mercury -71834-12-31 23:30 J -24515580.62 -24515580.52 -24515580.41 0.3801 0.0801

Mercury -71828-07-16 17:01 J -24513556.88 -24513556.79 -24513556.71 0.3799 0.2314

Mercury -71818-01-26 15:21 J -24510075.95 -24510075.86 -24510075.77 0.3574 0.2786

Mercury -71813-08-11 19:25 J -24508051.84 -24508051.69 -24508051.55 0.3576 0.0112

Mercury -71807-02-25 22:47 J -24506027.64 -24506027.55 -24506027.45 0.3579 0.2722

Mercury -71794-12-23 17:59 J -24500978.80 -24500978.75 -24500978.69 0.3807 0.3094

Mercury -71788-07-08 11:01 J -24498955.13 -24498955.04 -24498954.94 0.3805 0.1655

Mercury -71782-01-22 04:18 J -24496931.43 -24496931.32 -24496931.22 0.3803 0.0216

Mercury -71777-08-06 21:35 J -24494907.70 -24494907.60 -24494907.51 0.3801 0.1326

Mercury -71771-02-20 14:52 J -24492883.95 -24492883.88 -24492883.81 0.3799 0.2839

Mercury -71762-09-02 16:04 J -24489402.95 -24489402.83 -24489402.70 0.3574 0.1847

Mercury -71756-03-18 20:09 J -24487378.80 -24487378.66 -24487378.52 0.3577 0.0946

Mercury -71737-07-29 15:49 J -24480305.91 -24480305.84 -24480305.76 0.3807 0.2602

Mercury -71731-02-12 08:52 J -24478282.23 -24478282.13 -24478282.03 0.3805 0.1154

Mercury -71726-08-29 02:09 J -24476258.52 -24476258.41 -24476258.31 0.3803 0.0345

Mercury -71720-03-13 19:25 J -24474234.79 -24474234.69 -24474234.60 0.3800 0.1844

Mercury -71715-09-27 12:42 J -24472211.01 -24472210.97 -24472210.92 0.3798 0.3377

Mercury -71705-04-08 17:01 J -24468729.93 -24468729.79 -24468729.65 0.3575 0.0907

Mercury -71700-10-23 20:37 J -24466705.76 -24466705.64 -24466705.51 0.3577 0.1842

Mercury -71686-08-20 20:52 J -24461656.67 -24461656.63 -24461656.60 0.3808 0.3545

Mercury -71680-03-05 13:40 J -24459633.02 -24459632.93 -24459632.84 0.3806 0.2113

Mercury -71675-09-19 06:42 J -24457609.32 -24457609.22 -24457609.11 0.3804 0.0648

Mercury -71669-04-03 23:59 J -24455585.61 -24455585.50 -24455585.40 0.3802 0.0852

Mercury -71664-10-18 17:16 J -24453561.86 -24453561.78 -24453561.70 0.3800 0.2369

Mercury -71654-04-30 13:40 J -24450081.02 -24450080.93 -24450080.84 0.3573 0.2810

Mercury -71649-11-13 17:45 J -24448056.90 -24448056.76 -24448056.61 0.3575 0.0055

Mercury -71643-05-30 21:21 J -24446032.70 -24446032.61 -24446032.52 0.3578 0.2756

Mercury -71629-03-26 18:28 J -24440983.79 -24440983.73 -24440983.67 0.3808 0.3060

Mercury -71624-10-10 11:30 J -24438960.12 -24438960.02 -24438959.93 0.3806 0.1610

Mercury -71618-04-26 04:33 J -24436936.41 -24436936.31 -24436936.20 0.3804 0.0156

Mercury -71613-11-08 21:49 J -24434912.69 -24434912.59 -24434912.49 0.3801 0.1373

Mercury -71607-05-25 15:06 J -24432888.93 -24432888.87 -24432888.80 0.3799 0.2911

Mercury -71598-12-05 14:37 J -24429408.02 -24429407.89 -24429407.76 0.3574 0.1840

Mercury -71592-06-20 18:28 J -24427383.87 -24427383.73 -24427383.58 0.3576 0.0977

Mercury -71573-10-31 16:18 J -24420310.90 -24420310.82 -24420310.75 0.3807 0.2567

Mercury -71567-05-17 09:21 J -24418287.21 -24418287.11 -24418287.01 0.3805 0.1103

Mercury -71562-12-01 02:23 J -24416263.50 -24416263.40 -24416263.29 0.3803 0.0400

Mercury -71556-06-15 19:40 J -24414239.77 -24414239.68 -24414239.59 0.3801 0.1906

Mercury -71551-12-30 13:11 J -24412215.99 -24412215.95 -24412215.91 0.3798 0.3454

Mercury -71541-07-11 15:35 J -24408735.00 -24408734.85 -24408734.71 0.3574 0.0884

Mercury -71535-01-25 19:25 J -24406710.82 -24406710.69 -24406710.57 0.3577 0.1901

Mercury -71522-11-22 21:06 J -24401661.65 -24401661.62 -24401661.58 0.3808 0.3512

Mercury -71516-06-07 14:09 J -24399638.00 -24399637.91 -24399637.82 0.3807 0.2066

Mercury -71511-12-22 07:11 J -24397614.30 -24397614.20 -24397614.10 0.3805 0.0590

Mercury -71505-07-07 00:13 J -24395590.59 -24395590.49 -24395590.38 0.3803 0.0924

Mercury -71499-01-20 17:45 J -24393566.84 -24393566.76 -24393566.68 0.3800 0.2447

Mercury -71490-08-02 11:59 J -24390086.08 -24390086.00 -24390085.91 0.3573 0.2816

Mercury -71484-02-15 16:18 J -24388061.97 -24388061.82 -24388061.67 0.3575 0.0063

Mercury -71479-09-01 19:54 J -24386037.76 -24386037.67 -24386037.58 0.3578 0.2808

Mercury -71465-06-28 18:57 J -24380988.77 -24380988.71 -24380988.65 0.3808 0.3018

Mercury -71459-01-12 11:59 J -24378965.10 -24378965.00 -24378964.91 0.3806 0.1559

Mercury -71454-07-29 05:01 J -24376941.40 -24376941.29 -24376941.18 0.3804 0.0074

Mercury -71448-02-10 22:18 J -24374917.67 -24374917.57 -24374917.48 0.3802 0.1444

Mercury -71443-08-27 15:35 J -24372893.92 -24372893.85 -24372893.79 0.3800 0.2982

Mercury -71433-03-08 12:57 J -24369413.08 -24369412.96 -24369412.83 0.3573 0.1843

Mercury -71428-09-22 17:01 J -24367388.93 -24367388.79 -24367388.65 0.3576 0.0993

Mercury -71408-02-02 16:47 J -24360315.88 -24360315.80 -24360315.72 0.3808 0.2525

Mercury -71403-08-19 09:49 J -24358292.19 -24358292.09 -24358291.99 0.3806 0.1051

Mercury -71397-03-04 02:52 J -24356268.49 -24356268.38 -24356268.28 0.3804 0.0443

Mercury -71392-09-17 20:09 J -24354244.75 -24354244.66 -24354244.57 0.3802 0.1973

Mercury -71386-04-03 13:25 J -24352220.98 -24352220.94 -24352220.90 0.3799 0.3522

Mercury -71377-10-13 13:54 J -24348740.07 -24348739.92 -24348739.78 0.3574 0.0897

Mercury -71371-04-29 17:45 J -24346715.88 -24346715.76 -24346715.64 0.3576 0.1933

Mercury -71357-02-24 21:35 J -24341666.64 -24341666.60 -24341666.56 0.3809 0.3475

Mercury -71352-09-09 14:37 J -24339642.98 -24339642.89 -24339642.80 0.3808 0.2019

Mercury -71346-03-26 07:40 J -24337619.29 -24337619.18 -24337619.08 0.3805 0.0567

Mercury -71341-10-09 00:42 J -24335595.57 -24335595.47 -24335595.37 0.3803 0.0970

Mercury -71335-04-24 17:59 J -24333571.83 -24333571.75 -24333571.67 0.3801 0.2506

Mercury -71326-11-04 10:18 J -24330091.15 -24330091.07 -24330090.98 0.3572 0.2832

Mercury -71320-05-20 14:37 J -24328067.04 -24328066.89 -24328066.74 0.3574 0.0082

Mercury -71315-12-04 18:28 J -24326042.81 -24326042.73 -24326042.64 0.3577 0.2871

Mercury -71301-09-30 19:25 J -24320993.75 -24320993.69 -24320993.63 0.3809 0.2982

Mercury -71295-04-16 12:13 J -24318970.08 -24318969.99 -24318969.89 0.3807 0.1525

Mercury -71290-10-31 05:30 J -24316946.38 -24316946.27 -24316946.17 0.3805 0.0173

Mercury -71284-05-15 22:33 J -24314922.65 -24314922.56 -24314922.46 0.3803 0.1503

Mercury -71279-11-29 15:49 J -24312898.90 -24312898.84 -24312898.78 0.3800 0.3050

Mercury -71269-06-10 11:16 J -24309418.15 -24309418.03 -24309417.90 0.3572 0.1850

Mercury -71264-12-25 15:35 J -24307393.99 -24307393.85 -24307393.71 0.3575 0.1036

Mercury -71244-05-07 17:16 J -24300320.86 -24300320.78 -24300320.71 0.3808 0.2482

Mercury -71239-11-21 10:04 J -24298297.18 -24298297.08 -24298296.98 0.3806 0.1012

Mercury -71233-06-06 03:21 J -24296273.47 -24296273.36 -24296273.26 0.3804 0.0523

Mercury -71228-12-20 20:23 J -24294249.73 -24294249.65 -24294249.56 0.3802 0.2046

Mercury -71222-07-06 13:54 J -24292225.95 -24292225.92 -24292225.89 0.3800 0.3604

Mercury -71212-01-15 12:13 J -24288745.13 -24288744.99 -24288744.84 0.3573 0.0873

Mercury -71207-08-01 16:18 J -24286720.94 -24286720.82 -24286720.70 0.3576 0.1986

Mercury -71193-05-28 22:04 J -24281671.62 -24281671.58 -24281671.54 0.3810 0.3434

Mercury -71188-12-12 15:06 J -24279647.96 -24279647.87 -24279647.79 0.3808 0.1977

Mercury -71182-06-28 07:54 J -24277624.27 -24277624.17 -24277624.06 0.3806 0.0496

Mercury -71176-01-11 01:11 J -24275600.55 -24275600.45 -24275600.35 0.3804 0.1041

Mercury -71171-07-27 18:28 J -24273576.81 -24273576.73 -24273576.66 0.3801 0.2585

Mercury -71161-02-06 08:52 J -24270096.22 -24270096.13 -24270096.04 0.3571 0.2828

Mercury -71156-08-22 13:11 J -24268072.10 -24268071.95 -24268071.80 0.3574 0.0103

Mercury -71150-03-08 17:01 J -24266047.87 -24266047.79 -24266047.71 0.3576 0.2928

Mercury -71136-01-02 19:54 J -24260998.74 -24260998.67 -24260998.61 0.3809 0.2932

Mercury -71131-07-19 12:42 J -24258975.06 -24258974.97 -24258974.87 0.3807 0.1468

Mercury -71125-02-02 05:45 J -24256951.36 -24256951.26 -24256951.15 0.3806 0.0146

Mercury -71120-08-17 23:01 J -24254927.64 -24254927.54 -24254927.44 0.3803 0.1575

Mercury -71114-03-03 16:18 J -24252903.88 -24252903.82 -24252903.76 0.3801 0.3127

Mercury -71105-09-12 09:49 J -24249423.22 -24249423.09 -24249422.97 0.3572 0.1852

Mercury -71099-03-29 14:09 J -24247399.05 -24247398.91 -24247398.77 0.3575 0.1075

Mercury -71080-08-09 17:45 J -24240325.84 -24240325.76 -24240325.68 0.3809 0.2428

Mercury -71074-02-23 10:33 J -24238302.16 -24238302.06 -24238301.96 0.3807 0.0950

Mercury -71069-09-08 03:35 J -24236278.45 -24236278.35 -24236278.24 0.3805 0.0587

Mercury -71063-03-24 20:52 J -24234254.72 -24234254.63 -24234254.54 0.3803 0.2107

Mercury -71058-10-08 14:09 J -24232230.93 -24232230.91 -24232230.89 0.3800 0.3677

Mercury -71048-04-19 10:33 J -24228750.20 -24228750.06 -24228749.91 0.3573 0.0866

Mercury -71043-11-03 14:52 J -24226726.00 -24226725.88 -24226725.76 0.3575 0.2023

Mercury -71029-08-30 22:33 J -24221676.60 -24221676.56 -24221676.51 0.3810 0.3391

Mercury -71023-03-16 15:21 J -24219652.95 -24219652.86 -24219652.77 0.3808 0.1928

Mercury -71018-09-30 08:23 J -24217629.25 -24217629.15 -24217629.05 0.3807 0.0429

Mercury -71012-04-15 01:25 J -24215605.54 -24215605.44 -24215605.34 0.3804 0.1100

Mercury -71007-10-29 18:42 J -24213581.79 -24213581.72 -24213581.65 0.3802 0.2651

71ST MILLENNIUM BCE

This is a list of transits visible from Venus in the 71st millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-70997-05-10 06:57 J	-24210101.29	-24210101.21	-24210101.12	0.3571	0.2855		
Mercury	-70992-11-24 11:30 J	-24208077.16	-24208077.02	-24208076.87	0.3573	0.0174		
Mercury	-70986-06-10 15:35 J	-24206052.93	-24206052.85	-24206052.77	0.3576	0.2970		
Mercury	-70972-04-06 20:23 J	-24201003.72	-24201003.65	-24201003.59	0.3810	0.2897		
Mercury	-70967-10-21 13:11 J	-24198980.05	-24198979.95	-24198979.85	0.3808	0.1412		
Mercury	-70961-05-06 06:13 J	-24196956.34	-24196956.24	-24196956.13	0.3806	0.0101		
Mercury	-70956-11-19 23:16 J	-24194932.62	-24194932.53	-24194932.43	0.3804	0.1638		
Mercury	-70950-06-05 16:33 J	-24192908.86	-24192908.81	-24192908.75	0.3801	0.3205		
Mercury	-70941-12-15 08:09 J	-24189428.29	-24189428.16	-24189428.03	0.3572	0.1838		
Mercury	-70935-07-01 12:28 J	-24187404.12	-24187403.98	-24187403.84	0.3574	0.1112		
Mercury	-70916-11-11 17:59 J	-24180330.83	-24180330.75	-24180330.67	0.3809	0.2390		
Mercury	-70910-05-28 11:01 J	-24178307.14	-24178307.04	-24178306.94	0.3807	0.0891		
Mercury	-70905-12-11 04:04 J	-24176283.43	-24176283.33	-24176283.23	0.3805	0.0633		
Mercury	-70899-06-26 21:21 J	-24174259.70	-24174259.61	-24174259.53	0.3803	0.2187		
Mercury	-70893-01-10 14:37 J	-24172235.90	-24172235.89	-24172235.88	0.3801	0.3764		
Mercury	-70884-07-22 09:06 J	-24168755.26	-24168755.12	-24168754.97	0.3572	0.0829		
Mercury	-70878-02-05 13:25 J	-24166731.06	-24166730.94	-24166730.83	0.3574	0.2082		
Mercury	-70865-12-02 23:01 J	-24161681.59	-24161681.54	-24161681.49	0.3810	0.3348		
Mercury	-70859-06-18 15:49 J	-24159657.93	-24159657.84	-24159657.75	0.3809	0.1872		
Mercury	-70853-01-02 08:52 J	-24157634.23	-24157634.13	-24157634.03	0.3807	0.0361		

Mercury -70848-07-18 01:54 J -24155610.52 -24155610.42 -24155610.32 0.3805 0.1170

Mercury -70842-01-31 19:11 J -24153586.77 -24153586.70 -24153586.63 0.3803 0.2735

Mercury -70833-08-12 05:30 J -24150106.36 -24150106.27 -24150106.18 0.3571 0.2851

Mercury -70827-02-26 10:04 J -24148082.23 -24148082.08 -24148081.93 0.3573 0.0167

Mercury -70822-09-12 13:54 J -24146057.99 -24146057.92 -24146057.84 0.3575 0.3034

Mercury -70808-07-09 20:52 J -24141008.70 -24141008.63 -24141008.57 0.3810 0.2845

Mercury -70802-01-23 13:40 J -24138985.03 -24138984.93 -24138984.83 0.3808 0.1353

Mercury -70797-08-08 06:42 J -24136961.33 -24136961.22 -24136961.12 0.3806 0.0171

Mercury -70791-02-21 23:45 J -24134937.60 -24134937.51 -24134937.42 0.3804 0.1707

Mercury -70786-09-07 17:01 J -24132913.84 -24132913.79 -24132913.74 0.3802 0.3285

Mercury -70776-03-19 06:28 J -24129433.36 -24129433.23 -24129433.10 0.3571 0.1829

Mercury -70771-10-03 10:47 J -24127409.19 -24127409.05 -24127408.91 0.3573 0.1136

Mercury -70757-07-31 01:40 J -24122359.43 -24122359.43 -24122359.43 0.3811 0.3807

Mercury -70751-02-13 18:28 J -24120335.81 -24120335.73 -24120335.65 0.3810 0.2338

Mercury -70746-08-30 11:30 J -24118312.12 -24118312.02 -24118311.92 0.3808 0.0829

Mercury -70740-03-15 04:33 J -24116288.42 -24116288.31 -24116288.21 0.3806 0.0708

Mercury -70735-09-28 21:35 J -24114264.68 -24114264.60 -24114264.51 0.3804 0.2257

Mercury -70720-10-24 07:25 J -24108760.34 -24108760.19 -24108760.05 0.3571 0.0830

Mercury -70714-05-10 11:45 J -24106736.13 -24106736.01 -24106735.90 0.3574 0.2117

Mercury -70700-03-06 23:30 J -24101686.57 -24101686.52 -24101686.47 0.3811 0.3307

Mercury -70695-09-20 16:18 J -24099662.91 -24099662.82 -24099662.73 0.3809 0.1819

Mercury -70689-04-05 09:06 J -24097639.22 -24097639.12 -24097639.01 0.3807 0.0353

Mercury -70684-10-20 02:23 J -24095615.50 -24095615.40 -24095615.31 0.3805 0.1243

Mercury -70678-05-05 19:25 J -24093591.76 -24093591.69 -24093591.62 0.3803 0.2806

Mercury -70669-11-14 03:49 J -24090111.43 -24090111.34 -24090111.26 0.3570 0.2855

Mercury -70663-05-31 08:23 J -24088087.30 -24088087.15 -24088087.00 0.3572 0.0181

Mercury -70658-12-15 12:28 J -24086063.05 -24086062.98 -24086062.91 0.3575 0.3106

Mercury -70644-10-11 21:06 J -24081013.68 -24081013.62 -24081013.55 0.3811 0.2803

Mercury -70638-04-27 14:09 J -24078990.01 -24078989.91 -24078989.81 0.3809 0.1301

Mercury -70633-11-10 06:57 J -24076966.31 -24076966.21 -24076966.10 0.3807 0.0275

Mercury -70627-05-27 00:13 J -24074942.59 -24074942.49 -24074942.40 0.3805 0.1786

Mercury -70622-12-10 17:16 J -24072918.82 -24072918.78 -24072918.73 0.3802 0.3366

Mercury -70612-06-21 04:47 J -24069438.42 -24069438.30 -24069438.17 0.3570 0.1819

Mercury -70606-01-05 09:21 J -24067414.25 -24067414.11 -24067413.97 0.3573 0.1186

Mercury -70593-11-02 02:09 J -24062364.42 -24062364.41 -24062364.40 0.3812 0.3766

Mercury -70587-05-18 18:57 J -24060340.79 -24060340.71 -24060340.63 0.3810 0.2282

Mercury -70582-12-02 11:59 J -24058317.11 -24058317.00 -24058316.90 0.3808 0.0785

Mercury -70576-06-17 04:47 J -24056293.40 -24056293.30 -24056293.19 0.3806 0.0778

Mercury -70571-12-31 22:04 J -24054269.66 -24054269.58 -24054269.50 0.3804 0.2337

Mercury -70555-01-26 05:45 J -24048765.40 -24048765.26 -24048765.11 0.3571 0.0802

Mercury -70550-08-12 10:18 J -24046741.19 -24046741.07 -24046740.96 0.3573 0.2182

Mercury -70536-06-08 23:59 J -24041691.55 -24041691.50 -24041691.45 0.3811 0.3258

Mercury -70531-12-23 16:47 J -24039667.89 -24039667.80 -24039667.71 0.3810 0.1761

Mercury -70525-07-08 09:35 J -24037644.20 -24037644.10 -24037643.99 0.3808 0.0279

Mercury -70519-01-22 02:37 J -24035620.48 -24035620.39 -24035620.29 0.3806 0.1320

Mercury -70514-08-07 19:54 J -24033596.74 -24033596.67 -24033596.60 0.3804 0.2890

Mercury -70504-02-16 02:09 J -24030116.50 -24030116.41 -24030116.32 0.3569 0.2845

Mercury -70499-09-02 06:42 J -24028092.37 -24028092.22 -24028092.07 0.3572 0.0219

Mercury -70493-03-18 11:01 J -24026068.10 -24026068.04 -24026067.97 0.3574 0.3167

Mercury -70479-01-13 21:35 J -24021018.67 -24021018.60 -24021018.52 0.3811 0.2747

Mercury -70474-07-30 14:37 J -24018994.99 -24018994.89 -24018994.79 0.3809 0.1236

Mercury -70468-02-12 07:25 J -24016971.29 -24016971.19 -24016971.08 0.3808 0.0310

Mercury -70463-08-29 00:28 J -24014947.57 -24014947.48 -24014947.38 0.3805 0.1871

Mercury -70457-03-13 17:45 J -24012923.80 -24012923.76 -24012923.72 0.3803 0.3443

Mercury -70448-09-23 03:06 J -24009443.50 -24009443.37 -24009443.24 0.3570 0.1820

Mercury -70442-04-09 07:40 J -24007419.32 -24007419.18 -24007419.04 0.3572 0.1225

Mercury -70428-02-04 02:37 J -24002369.41 -24002369.39 -24002369.37 0.3812 0.3719

Mercury -70423-08-20 19:25 J -24000345.77 -24000345.69 -24000345.61 0.3811 0.2225

Mercury -70417-03-05 12:13 J -23998322.09 -23998321.99 -23998321.88 0.3809 0.0720

Mercury -70412-09-19 05:16 J -23996298.38 -23996298.28 -23996298.18 0.3807 0.0841

Mercury -70406-04-04 22:18 J -23994274.65 -23994274.57 -23994274.49 0.3805 0.2410

Mercury -70391-04-30 04:04 J -23988770.47 -23988770.33 -23988770.18 0.3570 0.0783

Mercury -70386-11-14 08:37 J -23986746.25 -23986746.14 -23986746.03 0.3573 0.2232

Mercury -70372-09-11 00:28 J -23981696.54 -23981696.48 -23981696.43 0.3812 0.3206

Mercury -70366-03-27 17:16 J -23979672.88 -23979672.78 -23979672.69 0.3810 0.1711

Mercury -70361-10-10 10:04 J -23977649.18 -23977649.08 -23977648.97 0.3809 0.0183

Mercury -70355-04-26 03:06 J -23975625.47 -23975625.37 -23975625.27 0.3806 0.1382

Mercury -70350-11-09 20:09 J -23973601.72 -23973601.66 -23973601.59 0.3804 0.2968

Mercury -70340-05-21 00:13 J -23970121.58 -23970121.49 -23970121.40 0.3569 0.2860

Mercury -70335-12-05 05:16 J -23968097.43 -23968097.28 -23968097.14 0.3571 0.0274

Mercury -70329-06-20 09:35 J -23966073.16 -23966073.10 -23966073.04 0.3573 0.3230

Mercury -70315-04-17 22:04 J -23961023.65 -23961023.58 -23961023.51 0.3811 0.2697

Mercury -70310-11-01 14:52 J -23958999.98 -23958999.88 -23958999.78 0.3810 0.1186

Mercury -70304-05-17 07:54 J -23956976.27 -23956976.17 -23956976.07 0.3808 0.0364

Mercury -70299-12-01 00:57 J -23954952.55 -23954952.46 -23954952.37 0.3806 0.1932

Mercury -70293-06-15 17:59 J -23952928.78 -23952928.75 -23952928.71 0.3804 0.3532

Mercury -70284-12-26 01:25 J -23949448.57 -23949448.44 -23949448.31 0.3569 0.1799

Mercury -70278-07-12 06:13 J -23947424.38 -23947424.24 -23947424.10 0.3572 0.1285

Mercury -70264-05-09 03:06 J -23942374.39 -23942374.37 -23942374.34 0.3812 0.3672

Mercury -70259-11-22 19:54 J -23940350.76 -23940350.67 -23940350.59 0.3811 0.2175

Mercury -70253-06-07 12:42 J -23938327.07 -23938326.97 -23938326.87 0.3809 0.0648

Mercury -70248-12-22 05:45 J -23936303.36 -23936303.26 -23936303.16 0.3807 0.0912

Mercury -70242-07-07 22:47 J -23934279.63 -23934279.55 -23934279.47 0.3805 0.2491

Mercury -70227-08-02 02:37 J -23928775.54 -23928775.39 -23928775.25 0.3570 0.0758

Mercury -70221-02-16 07:11 J -23926751.32 -23926751.20 -23926751.09 0.3572 0.2299

Mercury -70208-12-14 00:57 J -23921701.52 -23921701.46 -23921701.41 0.3812 0.3155

Mercury -70202-06-29 17:45 J -23919677.86 -23919677.76 -23919677.67 0.3810 0.1650

Mercury -70196-01-12 10:33 J -23917654.16 -23917654.06 -23917653.96 0.3809 0.0104

Mercury -70191-07-29 03:35 J -23915630.45 -23915630.35 -23915630.25 0.3807 0.1463

Mercury -70185-02-11 20:37 J -23913606.70 -23913606.64 -23913606.58 0.3805 0.3052

Mercury -70176-08-22 22:33 J -23910126.65 -23910126.56 -23910126.47 0.3569 0.2853

Mercury -70170-03-09 03:35 J -23908102.50 -23908102.35 -23908102.20 0.3571 0.0298

Mercury -70165-09-22 07:54 J -23906078.23 -23906078.17 -23906078.12 0.3573 0.3293

Mercury -70151-07-20 22:33 J -23901028.63 -23901028.56 -23901028.48 0.3812 0.2638

Mercury -70145-02-03 15:21 J -23899004.96 -23899004.86 -23899004.76 0.3810 0.1121

Mercury -70140-08-19 08:23 J -23896981.25 -23896981.15 -23896981.05 0.3808 0.0442

Mercury -70134-03-05 01:25 J -23894957.53 -23894957.44 -23894957.35 0.3807 0.2015

Mercury -70129-09-17 18:28 J -23892933.76 -23892933.73 -23892933.70 0.3804 0.3622

Mercury -70119-03-29 23:45 J -23889453.64 -23889453.51 -23889453.38 0.3569 0.1787

Mercury -70114-10-14 04:33 J -23887429.45 -23887429.31 -23887429.18 0.3571 0.1318

Mercury -70100-08-11 03:35 J -23882379.38 -23882379.35 -23882379.32 0.3813 0.3616

Mercury -70094-02-24 20:23 J -23880355.74 -23880355.65 -23880355.57 0.3812 0.2115

Mercury -70089-09-09 13:11 J -23878332.05 -23878331.95 -23878331.85 0.3810 0.0576

Mercury -70083-03-26 06:13 J -23876308.35 -23876308.24 -23876308.14 0.3808 0.0995

Mercury -70078-10-09 23:16 J -23874284.61 -23874284.53 -23874284.46 0.3806 0.2575

Mercury -70063-11-04 00:42 J -23868780.62 -23868780.47 -23868780.32 0.3569 0.0739

Mercury -70057-05-20 05:16 J -23866756.39 -23866756.28 -23866756.17 0.3572 0.2343

Mercury -70043-03-18 01:25 J -23861706.50 -23861706.44 -23861706.39 0.3812 0.3112

Mercury -70038-10-01 17:59 J -23859682.84 -23859682.75 -23859682.65 0.3811 0.1594

Mercury -70032-04-16 11:01 J -23857659.15 -23857659.04 -23857658.94 0.3809 0.0127

Mercury -70027-10-31 03:49 J -23855635.43 -23855635.34 -23855635.24 0.3808 0.1538

Mercury -70021-05-15 21:06 J -23853611.68 -23853611.62 -23853611.57 0.3805 0.3137

Mercury -70012-11-24 20:52 J -23850131.72 -23850131.63 -23850131.54 0.3568 0.2847

Mercury -70006-06-11 01:54 J -23848107.57 -23848107.42 -23848107.28 0.3570 0.0334

Mercury -70001-12-25 06:13 J -23846083.28 -23846083.24 -23846083.19 0.3572 0.3370

70TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 70th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-69987-10-22 23:01 J	-23841033.61	-23841033.54	-23841033.46	0.3812	0.2584		
Mercury	-69981-05-07 15:49 J	-23839009.94	-23839009.84	-23839009.74	0.3811	0.1052		
Mercury	-69976-11-21 08:52 J	-23836986.24	-23836986.13	-23836986.03	0.3809	0.0535		
Mercury	-69970-06-07 01:40 J	-23834962.51	-23834962.43	-23834962.34	0.3807	0.2100		
Mercury	-69965-12-20 18:57 J	-23832938.73	-23832938.71	-23832938.69	0.3805	0.3708		
Mercury	-69955-07-01 22:04 J	-23829458.71	-23829458.58	-23829458.45	0.3568	0.1768		
Mercury	-69949-01-16 02:52 J	-23827434.52	-23827434.38	-23827434.24	0.3570	0.1372		
Mercury	-69936-11-13 04:04 J	-23822384.36	-23822384.33	-23822384.30	0.3813	0.3572		
Mercury	-69930-05-29 20:52 J	-23820360.72	-23820360.63	-23820360.55	0.3812	0.2053		
Mercury	-69925-12-12 13:40 J	-23818337.03	-23818336.93	-23818336.83	0.3810	0.0511		
Mercury	-69919-06-28 06:28 J	-23816313.33	-23816313.23	-23816313.13	0.3808	0.1069		
Mercury	-69913-01-11 23:30 J	-23814289.59	-23814289.52	-23814289.44	0.3806	0.2666		
Mercury	-69898-02-05 23:01 J	-23808785.68	-23808785.54	-23808785.39	0.3569	0.0699		
Mercury	-69893-08-22 03:49 J	-23806761.45	-23806761.34	-23806761.23	0.3571	0.2411		
Mercury	-69879-06-20 01:54 J	-23801711.48	-23801711.42	-23801711.36	0.3813	0.3051		
Mercury	-69873-01-03 18:42 J	-23799687.82	-23799687.72	-23799687.63	0.3811	0.1524		
Mercury	-69868-07-19 11:30 J	-23797664.13	-23797664.02	-23797663.92	0.3810	0.0113		
Mercury	-69862-02-02 04:18 J	-23795640.41	-23795640.32	-23795640.22	0.3808	0.1623		
Mercury	-69857-08-17 21:21 J	-23793616.66	-23793616.61	-23793616.55	0.3806	0.3236		
Mercury	-69847-02-26 19:11 J	-23790136.79	-23790136.70	-23790136.61	0.3568	0.2837		
Mercury	-69842-09-13 00:13 J	-23788112.64	-23788112.49	-23788112.35	0.3570	0.0374		
Mercury	-69836-03-29 04:47 J	-23786088.34	-23786088.30	-23786088.27	0.3572	0.3439		

Mercury -69822-01-24 23:30 J -23781038.59 -23781038.52 -23781038.44 0.3813 0.2519

Mercury -69817-08-09 16:18 J -23779014.92 -23779014.82 -23779014.72 0.3811 0.0979

Mercury -69811-02-23 09:06 J -23776991.22 -23776991.12 -23776991.01 0.3810 0.0597

Mercury -69806-09-09 02:09 J -23774967.49 -23774967.41 -23774967.32 0.3808 0.2181

Mercury -69800-03-24 19:11 J -23772943.70 -23772943.70 -23772943.69 0.3805 0.3794

Mercury -69791-10-03 20:09 J -23769463.79 -23769463.66 -23769463.53 0.3568 0.1765

Mercury -69785-04-19 01:11 J -23767439.59 -23767439.45 -23767439.32 0.3570 0.1418

Mercury -69771-02-15 04:33 J -23762389.35 -23762389.31 -23762389.27 0.3814 0.3519

Mercury -69766-08-31 21:21 J -23760365.70 -23760365.61 -23760365.52 0.3812 0.1989

Mercury -69760-03-16 14:09 J -23758342.02 -23758341.91 -23758341.81 0.3811 0.0460

Mercury -69755-09-30 06:57 J -23756318.31 -23756318.21 -23756318.11 0.3809 0.1141

Mercury -69749-04-14 23:59 J -23754294.57 -23754294.50 -23754294.43 0.3807 0.2740

Mercury -69734-05-10 21:21 J -23748790.76 -23748790.61 -23748790.46 0.3569 0.0678

Mercury -69729-11-24 02:09 J -23746766.52 -23746766.41 -23746766.30 0.3571 0.2469

Mercury -69715-09-22 02:23 J -23741716.47 -23741716.40 -23741716.34 0.3813 0.2991

Mercury -69709-04-06 18:57 J -23739692.80 -23739692.71 -23739692.61 0.3812 0.1459

Mercury -69704-10-21 11:45 J -23737669.11 -23737669.01 -23737668.90 0.3810 0.0165

Mercury -69698-05-07 04:47 J -23735645.39 -23735645.30 -23735645.21 0.3808 0.1696

Mercury -69693-11-19 21:49 J -23733621.64 -23733621.59 -23733621.54 0.3806 0.3312

Mercury -69683-05-31 17:16 J -23730141.87 -23730141.78 -23730141.69 0.3567 0.2845

Mercury -69678-12-15 22:33 J -23728117.71 -23728117.56 -23728117.41 0.3569 0.0420

Mercury -69672-07-01 03:06 J -23726093.39 -23726093.37 -23726093.35 0.3571 0.3517

Mercury -69658-04-28 23:59 J -23721043.58 -23721043.50 -23721043.42 0.3813 0.2462

Mercury -69653-11-11 16:47 J -23719019.90 -23719019.80 -23719019.70 0.3811 0.0918

Mercury -69647-05-28 09:35 J -23716996.20 -23716996.10 -23716996.00 0.3810 0.0667

Mercury -69642-12-12 02:37 J -23714972.47 -23714972.39 -23714972.31 0.3808 0.2262

Mercury -69626-01-05 18:28 J -23709468.86 -23709468.73 -23709468.60 0.3568 0.1730

Mercury -69621-07-21 23:30 J -23707444.65 -23707444.52 -23707444.38 0.3570 0.1486

Mercury -69607-05-20 05:01 J -23702394.33 -23702394.29 -23702394.25 0.3814 0.3459

Mercury -69602-12-03 21:49 J -23700370.68 -23700370.59 -23700370.50 0.3812 0.1931

Mercury -69596-06-18 14:37 J -23698347.00 -23698346.89 -23698346.79 0.3811 0.0394

Mercury -69590-01-02 07:25 J -23696323.29 -23696323.19 -23696323.09 0.3809 0.1224

Mercury -69585-07-18 00:28 J -23694299.55 -23694299.48 -23694299.41 0.3807 0.2834

Mercury -69570-08-12 19:40 J -23688795.83 -23688795.68 -23688795.53 0.3568 0.0636

Mercury -69564-02-26 00:28 J -23686771.58 -23686771.48 -23686771.37 0.3570 0.2544

Mercury -69551-12-25 02:52 J -23681721.45 -23681721.38 -23681721.32 0.3813 0.2930

Mercury -69545-07-09 19:25 J -23679697.78 -23679697.69 -23679697.59 0.3812 0.1390

Mercury -69539-01-23 12:13 J -23677674.09 -23677673.99 -23677673.88 0.3811 0.0220

Mercury -69534-08-09 05:16 J -23675650.37 -23675650.28 -23675650.19 0.3809 0.1785

Mercury -69528-02-21 22:18 J -23673626.62 -23673626.57 -23673626.53 0.3807 0.3406

Mercury -69519-09-02 15:21 J -23670146.95 -23670146.86 -23670146.77 0.3567 0.2831

Mercury -69513-03-18 20:52 J -23668122.78 -23668122.63 -23668122.49 0.3569 0.0467

Mercury -69494-08-01 00:28 J -23661048.56 -23661048.48 -23661048.40 0.3813 0.2396

Mercury -69488-02-13 17:16 J -23659024.88 -23659024.78 -23659024.68 0.3812 0.0842

Mercury -69483-08-30 10:04 J -23657001.18 -23657001.08 -23657000.98 0.3810 0.0748

Mercury -69477-03-15 03:06 J -23654977.46 -23654977.37 -23654977.29 0.3809 0.2354

Mercury -69462-04-09 16:47 J -23649473.94 -23649473.80 -23649473.67 0.3567 0.1718

Mercury -69457-10-23 21:49 J -23647449.73 -23647449.59 -23647449.46 0.3569 0.1520

Mercury -69443-08-22 05:30 J -23642399.31 -23642399.27 -23642399.22 0.3814 0.3396

Mercury -69437-03-06 22:18 J -23640375.66 -23640375.57 -23640375.49 0.3813 0.1870

Mercury -69432-09-20 15:06 J -23638351.98 -23638351.87 -23638351.77 0.3812 0.0334

Mercury -69426-04-06 07:54 J -23636328.27 -23636328.17 -23636328.08 0.3810 0.1305

Mercury -69421-10-20 00:42 J -23634304.53 -23634304.47 -23634304.40 0.3808 0.2924

Mercury -69406-11-14 17:45 J -23628800.91 -23628800.76 -23628800.61 0.3568 0.0613

Mercury -69400-05-30 22:47 J -23626776.65 -23626776.55 -23626776.45 0.3570 0.2597

Mercury -69386-03-29 03:06 J -23621726.43 -23621726.37 -23621726.30 0.3814 0.2878

Mercury -69381-10-11 19:54 J -23619702.77 -23619702.67 -23619702.57 0.3813 0.1320

Mercury -69375-04-27 12:42 J -23617679.07 -23617678.97 -23617678.87 0.3811 0.0260

Mercury -69370-11-11 05:30 J -23615655.36 -23615655.27 -23615655.18 0.3809 0.1870

Mercury -69364-05-26 22:33 J -23613631.59 -23613631.56 -23613631.52 0.3807 0.3502

Mercury -69355-12-05 13:40 J -23610152.02 -23610151.93 -23610151.84 0.3566 0.2809

Mercury -69349-06-20 18:57 J -23608127.86 -23608127.71 -23608127.56 0.3568 0.0491

Mercury -69330-11-03 00:57 J -23601053.54 -23601053.46 -23601053.38 0.3814 0.2336

Mercury -69324-05-18 17:45 J -23599029.86 -23599029.76 -23599029.66 0.3812 0.0772

Mercury -69319-12-02 10:33 J -23597006.16 -23597006.06 -23597005.96 0.3811 0.0824

Mercury -69313-06-17 03:21 J -23594982.44 -23594982.36 -23594982.28 0.3809 0.2440

Mercury -69298-07-12 14:52 J -23589479.01 -23589478.88 -23589478.75 0.3567 0.1681

Mercury -69292-01-25 20:09 J -23587454.80 -23587454.66 -23587454.53 0.3569 0.1588

Mercury -69279-11-24 05:59 J -23582404.30 -23582404.25 -23582404.20 0.3814 0.3344

Mercury -69273-06-08 22:47 J -23580380.65 -23580380.55 -23580380.46 0.3813 0.1801

Mercury -69268-12-23 15:21 J -23578356.96 -23578356.86 -23578356.75 0.3812 0.0260

Mercury -69262-07-09 08:23 J -23576333.25 -23576333.15 -23576333.06 0.3810 0.1395

Mercury -69256-01-22 01:11 J -23574309.51 -23574309.45 -23574309.39 0.3808 0.3019

Mercury -69241-02-16 16:04 J -23568805.98 -23568805.83 -23568805.68 0.3567 0.0565

Mercury -69236-09-01 21:06 J -23566781.71 -23566781.62 -23566781.52 0.3569 0.2673

Mercury -69222-07-01 03:49 J -23561731.41 -23561731.34 -23561731.28 0.3814 0.2809

Mercury -69216-01-13 20:23 J -23559707.75 -23559707.65 -23559707.55 0.3813 0.1242

Mercury -69211-07-30 13:11 J -23557684.05 -23557683.95 -23557683.85 0.3811 0.0346

Mercury -69205-02-13 05:59 J -23555660.34 -23555660.25 -23555660.16 0.3810 0.1961

Mercury -69200-08-28 23:01 J -23553636.57 -23553636.54 -23553636.51 0.3808 0.3600

Mercury -69190-03-09 11:45 J -23550157.10 -23550157.01 -23550156.91 0.3566 0.2794

Mercury -69185-09-22 17:16 J -23548132.93 -23548132.78 -23548132.63 0.3568 0.0541

Mercury -69171-07-22 08:52 J -23543082.13 -23543082.13 -23543082.13 0.3815 0.3810

Mercury -69165-02-05 01:25 J -23541058.52 -23541058.44 -23541058.36 0.3814 0.2265

Mercury -69160-08-20 18:13 J -23539034.84 -23539034.74 -23539034.64 0.3813 0.0690

Mercury -69154-03-06 11:01 J -23537011.14 -23537011.04 -23537010.94 0.3811 0.0912

Mercury -69149-09-19 03:49 J -23534987.42 -23534987.34 -23534987.26 0.3809 0.2532

Mercury -69134-10-14 12:57 J -23529484.09 -23529483.96 -23529483.83 0.3566 0.1675

Mercury -69128-04-29 18:13 J -23527459.87 -23527459.74 -23527459.60 0.3568 0.1647

Mercury -69114-02-26 06:28 J -23522409.28 -23522409.23 -23522409.18 0.3815 0.3282

Mercury -69109-09-10 23:16 J -23520385.63 -23520385.53 -23520385.44 0.3814 0.1724

Mercury -69103-03-27 15:49 J -23518361.94 -23518361.84 -23518361.73 0.3812 0.0150

Mercury -69098-10-11 08:37 J -23516338.23 -23516338.14 -23516338.04 0.3811 0.1478

Mercury -69092-04-26 01:40 J -23514314.49 -23514314.43 -23514314.37 0.3809 0.3105

Mercury -69077-05-20 14:09 J -23508811.06 -23508810.91 -23508810.76 0.3567 0.0547

Mercury -69072-12-04 19:25 J -23506786.78 -23506786.69 -23506786.59 0.3569 0.2746

Mercury -69058-10-03 04:18 J -23501736.39 -23501736.32 -23501736.25 0.3815 0.2746

Mercury -69052-04-17 20:52 J -23499712.73 -23499712.63 -23499712.53 0.3813 0.1175

Mercury -69047-11-01 13:40 J -23497689.04 -23497688.93 -23497688.83 0.3812 0.0432

Mercury -69041-05-17 06:28 J -23495665.32 -23495665.23 -23495665.14 0.3810 0.2043

Mercury -69036-11-30 23:30 J -23493641.55 -23493641.52 -23493641.50 0.3808 0.3687

Mercury -69026-06-11 09:49 J -23490162.18 -23490162.09 -23490162.00 0.3565 0.2794

Mercury -69021-12-25 15:21 J -23488138.00 -23488137.86 -23488137.71 0.3567 0.0604

Mercury -69007-10-24 09:21 J -23483087.13 -23483087.11 -23483087.10 0.3815 0.3756

Mercury -69001-05-09 01:54 J -23481063.50 -23481063.42 -23481063.34 0.3814 0.2199

69TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 69th millennium BCE.

PLANET	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
TRANSIT								
TIME								

Mercury -68996-11-22 18:42 J -23479039.83 -23479039.72 -23479039.62 0.3813 0.0641

Mercury -68990-06-08 11:30 J -23477016.12 -23477016.02 -23477015.92 0.3812 0.1005

Mercury -68985-12-22 04:18 J -23474992.40 -23474992.32 -23474992.25 0.3810 0.2623

Mercury -68969-01-16 11:16 J -23469489.17 -23469489.03 -23469488.90 0.3566 0.1639

Mercury -68964-08-01 16:47 J -23467464.94 -23467464.80 -23467464.67 0.3568 0.1721

Mercury -68950-05-31 06:57 J -23462414.26 -23462414.21 -23462414.15 0.3815 0.3215

Mercury -68945-12-13 23:45 J -23460390.61 -23460390.51 -23460390.42 0.3814 0.1655

Mercury -68939-06-29 16:18 J -23458366.92 -23458366.82 -23458366.72 0.3813 0.0067

Mercury -68933-01-13 09:06 J -23456343.21 -23456343.12 -23456343.02 0.3811 0.1570

Mercury -68928-07-29 02:09 J -23454319.47 -23454319.41 -23454319.36 0.3809 0.3206

Mercury -68913-08-22 12:28 J -23448816.13 -23448815.98 -23448815.83 0.3566 0.0494

Mercury -68907-03-08 17:45 J -23446791.85 -23446791.76 -23446791.67 0.3568 0.2826

Mercury -68893-01-05 04:47 J -23441741.37 -23441741.30 -23441741.23 0.3815 0.2672

Mercury -68888-07-20 21:21 J -23439717.71 -23439717.61 -23439717.51 0.3814 0.1096

Mercury -68882-02-03 14:09 J -23437694.01 -23437693.91 -23437693.81 0.3812 0.0514

Mercury -68877-08-19 06:57 J -23435670.30 -23435670.21 -23435670.12 0.3811 0.2140

Mercury -68871-03-04 23:45 J -23433646.51 -23433646.51 -23433646.50 0.3809 0.3792

Mercury -68862-09-13 07:54 J -23430167.26 -23430167.17 -23430167.07 0.3565 0.2780

Mercury -68856-03-29 13:40 J -23428143.08 -23428142.93 -23428142.78 0.3567 0.0646

Mercury -68842-01-26 09:49 J -23423092.11 -23423092.09 -23423092.07 0.3816 0.3687

Mercury -68837-08-11 02:23 J -23421068.48 -23421068.40 -23421068.31 0.3815 0.2122

Mercury -68831-02-24 18:57 J -23419044.81 -23419044.71 -23419044.60 0.3814 0.0567

Mercury -68826-09-10 11:45 J -23417021.10 -23417021.01 -23417020.91 0.3812 0.1093

Mercury -68820-03-26 04:33 J -23414997.38 -23414997.31 -23414997.23 0.3810 0.2717

Mercury -68805-04-19 09:21 J -23409494.25 -23409494.11 -23409493.98 0.3566 0.1618

Mercury -68800-11-03 14:52 J -23407470.01 -23407469.88 -23407469.75 0.3567 0.1760

Mercury -68786-09-02 07:25 J -23402419.24 -23402419.19 -23402419.13 0.3815 0.3149

Mercury -68780-03-17 23:59 J -23400395.59 -23400395.50 -23400395.40 0.3814 0.1585

Mercury -68775-10-01 16:47 J -23398371.90 -23398371.80 -23398371.70 0.3813 0.0030

Mercury -68769-04-16 09:35 J -23396348.19 -23396348.10 -23396348.01 0.3812 0.1647

Mercury -68764-10-31 02:23 J -23394324.45 -23394324.40 -23394324.35 0.3810 0.3299

Mercury -68749-11-24 10:33 J -23388821.21 -23388821.06 -23388820.91 0.3566 0.0461

Mercury -68743-06-10 15:49 J -23386796.92 -23386796.84 -23386796.75 0.3568 0.2886

Mercury -68729-04-08 05:16 J -23381746.36 -23381746.28 -23381746.21 0.3815 0.2611

Mercury -68724-10-22 21:49 J -23379722.69 -23379722.59 -23379722.49 0.3814 0.1021

Mercury -68718-05-08 14:37 J -23377699.00 -23377698.89 -23377698.79 0.3813 0.0608

Mercury -68713-11-21 07:25 J -23375675.28 -23375675.19 -23375675.11 0.3811 0.2231

Mercury -68698-12-16 06:13 J -23370172.34 -23370172.24 -23370172.15 0.3565 0.2752

Mercury -68692-07-01 11:59 J -23368148.15 -23368148.00 -23368147.86 0.3566 0.0702

Mercury -68678-04-30 10:18 J -23363097.10 -23363097.07 -23363097.04 0.3816 0.3627

Mercury -68673-11-13 02:52 J -23361073.47 -23361073.38 -23361073.29 0.3815 0.2056

Mercury -68667-05-29 19:25 J -23359049.79 -23359049.69 -23359049.58 0.3814 0.0483

Mercury -68662-12-13 12:13 J -23357026.09 -23357025.99 -23357025.89 0.3812 0.1167

Mercury -68656-06-28 05:01 J -23355002.36 -23355002.29 -23355002.22 0.3811 0.2812

Mercury -68641-07-22 07:40 J -23349499.32 -23349499.18 -23349499.05 0.3565 0.1573

Mercury -68635-02-05 13:11 J -23347475.08 -23347474.95 -23347474.82 0.3567 0.1840

Mercury -68622-12-05 07:54 J -23342424.23 -23342424.17 -23342424.11 0.3815 0.3087

Mercury -68616-06-20 00:28 J -23340400.57 -23340400.48 -23340400.38 0.3815 0.1509

Mercury -68610-01-03 17:16 J -23338376.88 -23338376.78 -23338376.68 0.3813 0.0115

Mercury -68605-07-19 10:04 J -23336353.17 -23336353.08 -23336352.99 0.3812 0.1743

Mercury -68599-02-02 02:52 J -23334329.42 -23334329.38 -23334329.33 0.3810 0.3405

Mercury -68584-02-26 08:52 J -23328826.28 -23328826.13 -23328825.98 0.3566 0.0404

Mercury -68579-09-12 14:09 J -23326801.99 -23326801.91 -23326801.83 0.3567 0.2960

Mercury -68565-07-11 05:45 J -23321751.34 -23321751.26 -23321751.19 0.3815 0.2534

Mercury -68559-01-24 22:18 J -23319727.67 -23319727.57 -23319727.47 0.3814 0.0936

Mercury -68554-08-10 15:06 J -23317703.98 -23317703.87 -23317703.77 0.3813 0.0697

Mercury -68548-02-23 07:40 J -23315680.26 -23315680.18 -23315680.09 0.3812 0.2328

Mercury -68533-03-19 04:18 J -23310177.42 -23310177.32 -23310177.23 0.3565 0.2731

Mercury -68528-10-03 10:04 J -23308153.23 -23308153.08 -23308152.94 0.3566 0.0744

Mercury -68514-08-02 10:47 J -23303102.08 -23303102.05 -23303102.01 0.3816 0.3558

Mercury -68508-02-15 03:21 J -23301078.45 -23301078.36 -23301078.27 0.3815 0.1980

Mercury -68503-08-31 20:09 J -23299054.77 -23299054.66 -23299054.56 0.3814 0.0403

Mercury -68497-03-16 12:42 J -23297031.07 -23297030.97 -23297030.87 0.3813 0.1254

Mercury -68492-09-30 05:30 J -23295007.33 -23295007.27 -23295007.20 0.3811 0.2913

Mercury -68477-10-24 05:30 J -23289504.40 -23289504.27 -23289504.13 0.3565 0.1558

Mercury -68471-05-10 11:16 J -23287480.16 -23287480.03 -23287479.90 0.3566 0.1895

Mercury -68457-03-08 08:23 J -23282429.21 -23282429.15 -23282429.09 0.3816 0.3016

Mercury -68452-09-22 01:11 J -23280405.55 -23280405.45 -23280405.36 0.3815 0.1427

Mercury -68446-04-07 17:45 J -23278381.87 -23278381.76 -23278381.66 0.3814 0.0205

Mercury -68441-10-21 10:33 J -23276358.15 -23276358.06 -23276357.97 0.3812 0.1839

Mercury -68435-05-07 03:21 J -23274334.40 -23274334.36 -23274334.32 0.3811 0.3500

Mercury -68420-05-31 06:57 J -23268831.36 -23268831.21 -23268831.06 0.3565 0.0380

Mercury -68415-12-15 12:28 J -23266807.06 -23266806.98 -23266806.90 0.3567 0.3049

Mercury -68401-10-13 06:13 J -23261756.32 -23261756.24 -23261756.17 0.3816 0.2463

Mercury -68395-04-28 22:47 J -23259732.65 -23259732.55 -23259732.45 0.3815 0.0865

Mercury -68390-11-12 15:21 J -23257708.96 -23257708.86 -23257708.76 0.3813 0.0772

Mercury -68384-05-28 08:09 J -23255685.24 -23255685.16 -23255685.08 0.3812 0.2422

Mercury -68369-06-21 02:23 J -23250182.50 -23250182.40 -23250182.31 0.3564 0.2715

Mercury -68363-01-05 08:09 J -23248158.30 -23248158.16 -23248158.01 0.3565 0.0808

Mercury -68350-11-04 11:16 J -23243107.07 -23243107.03 -23243106.99 0.3816 0.3495

Mercury -68344-05-20 03:49 J -23241083.43 -23241083.34 -23241083.25 0.3815 0.1903

Mercury -68339-12-03 20:23 J -23239059.75 -23239059.65 -23239059.54 0.3814 0.0312

Mercury -68333-06-18 13:11 J -23237036.05 -23237035.95 -23237035.85 0.3813 0.1349

Mercury -68327-01-02 05:59 J -23235012.31 -23235012.25 -23235012.19 0.3812 0.3012

Mercury -68312-01-26 03:49 J -23229509.48 -23229509.34 -23229509.21 0.3564 0.1515

Mercury -68307-08-12 09:35 J -23227485.23 -23227485.10 -23227484.98 0.3566 0.1976

Mercury -68293-06-10 08:52 J -23222434.19 -23222434.13 -23222434.06 0.3816 0.2944

Mercury -68288-12-25 01:40 J -23220410.53 -23220410.43 -23220410.34 0.3815 0.1352

Mercury -68282-07-10 18:13 J -23218386.84 -23218386.74 -23218386.64 0.3814 0.0290

Mercury -68276-01-23 11:01 J -23216363.13 -23216363.04 -23216362.95 0.3813 0.1939

Mercury -68271-08-09 03:49 J -23214339.37 -23214339.34 -23214339.31 0.3811 0.3607

Mercury -68256-09-02 05:01 J -23208836.44 -23208836.29 -23208836.14 0.3565 0.0325

Mercury -68250-03-19 10:47 J -23206812.12 -23206812.05 -23206811.98 0.3566 0.3136

Mercury -68236-01-15 06:42 J -23201761.30 -23201761.22 -23201761.14 0.3816 0.2379

Mercury -68231-07-31 23:16 J -23199737.63 -23199737.53 -23199737.43 0.3815 0.0772

Mercury -68225-02-14 15:49 J -23197713.94 -23197713.84 -23197713.74 0.3814 0.0873

Mercury -68220-08-30 08:37 J -23195690.21 -23195690.14 -23195690.06 0.3812 0.2529

Mercury -68205-09-23 00:28 J -23190187.58 -23190187.48 -23190187.39 0.3564 0.2696

Mercury -68199-04-09 06:28 J -23188163.38 -23188163.23 -23188163.09 0.3565 0.0865

Mercury -68185-02-06 11:45 J -23183112.05 -23183112.01 -23183111.96 0.3817 0.3420

Mercury -68180-08-22 04:18 J -23181088.41 -23181088.32 -23181088.23 0.3816 0.1821

Mercury -68174-03-07 20:52 J -23179064.73 -23179064.63 -23179064.52 0.3815 0.0231

Mercury -68169-09-20 13:40 J -23177041.03 -23177040.93 -23177040.84 0.3814 0.1445

Mercury -68163-04-06 06:28 J -23175017.29 -23175017.23 -23175017.18 0.3812 0.3110

Mercury -68148-04-30 01:40 J -23169514.56 -23169514.43 -23169514.29 0.3564 0.1487

Mercury -68143-11-14 07:40 J -23167490.31 -23167490.18 -23167490.06 0.3565 0.2032

Mercury -68129-09-12 09:35 J -23162439.17 -23162439.10 -23162439.04 0.3816 0.2866

Mercury -68123-03-29 01:54 J -23160415.51 -23160415.42 -23160415.32 0.3816 0.1272

Mercury -68118-10-12 18:42 J -23158391.82 -23158391.72 -23158391.62 0.3815 0.0379

Mercury -68112-04-27 11:16 J -23156368.11 -23156368.03 -23156367.94 0.3813 0.2029

Mercury -68107-11-11 04:04 J -23154344.35 -23154344.33 -23154344.31 0.3812 0.3707

Mercury -68092-12-05 03:06 J -23148841.52 -23148841.37 -23148841.22 0.3564 0.0279

Mercury -68086-06-21 08:52 J -23146817.19 -23146817.13 -23146817.07 0.3566 0.3203

Mercury -68072-04-19 07:11 J -23141766.28 -23141766.20 -23141766.12 0.3816 0.2312

Mercury -68067-11-02 23:45 J -23139742.61 -23139742.51 -23139742.41 0.3815 0.0696

Mercury -68061-05-18 16:18 J -23137718.92 -23137718.82 -23137718.72 0.3814 0.0954

Mercury -68056-12-02 09:06 J -23135695.19 -23135695.12 -23135695.05 0.3813 0.2617

Mercury -68041-12-25 22:33 J -23130192.66 -23130192.56 -23130192.46 0.3563 0.2663

Mercury -68035-07-12 04:33 J -23128168.46 -23128168.31 -23128168.16 0.3565 0.0927

Mercury -68021-05-10 12:13 J -23123117.03 -23123116.99 -23123116.94 0.3817 0.3352

Mercury -68016-11-24 04:47 J -23121093.39 -23121093.30 -23121093.21 0.3816 0.1748

Mercury -68010-06-09 21:21 J -23119069.71 -23119069.61 -23119069.50 0.3815 0.0164

Mercury -68005-12-23 14:09 J -23117046.01 -23117045.91 -23117045.82 0.3814 0.1539

68TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 68th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-67999-07-09 06:57 J	-23115022.27	-23115022.21	-23115022.16	0.3812	0.3217		
Mercury	-67984-08-01 23:59 J	-23109519.64	-23109519.50	-23109519.36	0.3564	0.1433		
Mercury	-67978-02-16 05:45 J	-23107495.38	-23107495.26	-23107495.13	0.3565	0.2123		
Mercury	-67965-12-15 10:04 J	-23102444.15	-23102444.08	-23102444.01	0.3816	0.2792		
Mercury	-67959-07-01 02:37 J	-23100420.49	-23100420.39	-23100420.30	0.3816	0.1188		
Mercury	-67953-01-14 19:11 J	-23098396.80	-23098396.70	-23098396.60	0.3815	0.0473		
Mercury	-67948-07-30 11:45 J	-23096373.09	-23096373.01	-23096372.92	0.3813	0.2135		
Mercury	-67927-03-09 01:11 J	-23088846.60	-23088846.45	-23088846.29	0.3564	0.0240		
Mercury	-67922-09-23 06:57 J	-23086822.26	-23086822.21	-23086822.15	0.3566	0.3289		
Mercury	-67908-07-22 07:40 J	-23081771.26	-23081771.18	-23081771.10	0.3816	0.2229		
Mercury	-67902-02-05 00:13 J	-23079747.59	-23079747.49	-23079747.39	0.3816	0.0600		
Mercury	-67897-08-20 16:47 J	-23077723.90	-23077723.80	-23077723.70	0.3814	0.1056		
Mercury	-67891-03-06 09:35 J	-23075700.17	-23075700.10	-23075700.03	0.3813	0.2721		
Mercury	-67876-03-29 20:23 J	-23070197.75	-23070197.65	-23070197.54	0.3563	0.2639		
Mercury	-67871-10-14 02:37 J	-23068173.54	-23068173.39	-23068173.25	0.3564	0.0977		
Mercury	-67857-08-12 12:57 J	-23063122.01	-23063121.96	-23063121.91	0.3817	0.3273		
Mercury	-67851-02-26 05:16 J	-23061098.37	-23061098.28	-23061098.19	0.3816	0.1665		
Mercury	-67846-09-11 21:49 J	-23059074.69	-23059074.59	-23059074.48	0.3815	0.0145		
Mercury	-67840-03-27 14:37 J	-23057050.99	-23057050.89	-23057050.80	0.3814	0.1640		
Mercury	-67835-10-11 07:11 J	-23055027.24	-23055027.20	-23055027.15	0.3813	0.3324		

Mercury -67820-11-03 21:49 J -23049524.73 -23049524.59 -23049524.45 0.3563 0.1420

Mercury -67814-05-21 03:49 J -23047500.46 -23047500.34 -23047500.22 0.3565 0.2178

Mercury -67800-03-19 10:33 J -23042449.13 -23042449.06 -23042448.99 0.3817 0.2719

Mercury -67795-10-03 03:06 J -23040425.47 -23040425.37 -23040425.28 0.3816 0.1099

Mercury -67789-04-17 19:40 J -23038401.79 -23038401.68 -23038401.58 0.3815 0.0574

Mercury -67784-11-01 12:13 J -23036378.07 -23036377.99 -23036377.91 0.3814 0.2228

Mercury -67763-06-10 23:16 J -23028851.68 -23028851.53 -23028851.38 0.3564 0.0183

Mercury -67758-12-26 05:16 J -23026827.33 -23026827.28 -23026827.24 0.3565 0.3383

Mercury -67749-04-09 15:35 J -23023799.86 -23023799.85 -23023799.83 0.3817 0.3762

Mercury -67744-10-24 08:09 J -23021776.24 -23021776.16 -23021776.08 0.3817 0.2150

Mercury -67738-05-10 00:42 J -23019752.57 -23019752.47 -23019752.37 0.3816 0.0518

Mercury -67733-11-22 17:16 J -23017728.88 -23017728.78 -23017728.68 0.3815 0.1141

Mercury -67727-06-08 10:04 J -23015705.15 -23015705.08 -23015705.01 0.3814 0.2828

Mercury -67712-07-01 18:28 J -23010202.83 -23010202.73 -23010202.63 0.3563 0.2611

Mercury -67706-01-16 00:42 J -23008178.61 -23008178.47 -23008178.32 0.3564 0.1050

Mercury -67693-11-14 13:25 J -23003127.00 -23003126.94 -23003126.89 0.3817 0.3205

Mercury -67687-05-31 05:45 J -23001103.35 -23001103.26 -23001103.16 0.3817 0.1579

Mercury -67682-12-14 22:18 J -22999079.67 -22999079.57 -22999079.46 0.3815 0.0109

Mercury -67676-06-29 15:06 J -22997055.97 -22997055.87 -22997055.78 0.3815 0.1743

Mercury -67670-01-13 07:40 J -22995032.22 -22995032.18 -22995032.13 0.3813 0.3431

Mercury -67655-02-05 19:54 J -22989529.81 -22989529.67 -22989529.53 0.3563 0.1363

Mercury -67650-08-23 02:09 J -22987505.53 -22987505.41 -22987505.30 0.3565 0.2266

Mercury -67636-06-21 11:01 J -22982454.11 -22982454.04 -22982453.97 0.3817 0.2637

Mercury -67630-01-05 03:35 J -22980430.45 -22980430.35 -22980430.25 0.3816 0.1007

Mercury -67625-07-20 20:09 J -22978406.76 -22978406.66 -22978406.56 0.3815 0.0662

Mercury -67619-02-03 12:42 J -22976383.05 -22976382.97 -22976382.89 0.3814 0.2336

Mercury -67599-09-12 21:21 J -22968856.76 -22968856.61 -22968856.46 0.3564 0.0129

Mercury -67593-03-29 03:21 J -22966832.39 -22966832.36 -22966832.33 0.3565 0.3469

Mercury -67585-07-12 16:18 J -22963804.85 -22963804.82 -22963804.80 0.3817 0.3685

Mercury -67579-01-26 08:37 J -22961781.22 -22961781.14 -22961781.05 0.3817 0.2061

Mercury -67574-08-12 01:11 J -22959757.55 -22959757.45 -22959757.35 0.3816 0.0419

Mercury -67568-02-24 17:45 J -22957733.86 -22957733.76 -22957733.66 0.3815 0.1244

Mercury -67563-09-10 10:33 J -22955710.13 -22955710.06 -22955710.00 0.3814 0.2939

Mercury -67548-10-03 16:18 J -22950207.92 -22950207.82 -22950207.71 0.3563 0.2595

Mercury -67542-04-19 22:47 J -22948183.69 -22948183.55 -22948183.40 0.3564 0.1110

Mercury -67528-02-16 13:54 J -22943131.98 -22943131.92 -22943131.87 0.3818 0.3121

Mercury -67523-09-02 06:28 J -22941108.33 -22941108.23 -22941108.14 0.3817 0.1495

Mercury -67517-03-17 22:47 J -22939084.65 -22939084.55 -22939084.45 0.3816 0.0177

Mercury -67512-10-01 15:35 J -22937060.94 -22937060.85 -22937060.76 0.3815 0.1845

Mercury -67506-04-17 08:09 J -22935037.20 -22935037.16 -22935037.12 0.3814 0.3531

Mercury -67491-05-10 17:59 J -22929534.89 -22929534.75 -22929534.61 0.3563 0.1327

Mercury -67486-11-25 00:13 J -22927510.61 -22927510.49 -22927510.38 0.3564 0.2335

Mercury -67472-09-23 11:30 J -22922459.09 -22922459.02 -22922458.94 0.3817 0.2550

Mercury -67466-04-09 04:04 J -22920435.43 -22920435.33 -22920435.24 0.3817 0.0930

Mercury -67461-10-22 20:37 J -22918411.74 -22918411.64 -22918411.54 0.3816 0.0761

Mercury -67455-05-08 13:11 J -22916388.03 -22916387.95 -22916387.87 0.3814 0.2434

Mercury -67435-12-15 19:25 J -22908861.84 -22908861.69 -22908861.54 0.3563 0.0066

Mercury -67429-07-01 01:25 J -22906837.45 -22906837.44 -22906837.43 0.3564 0.3550

Mercury -67421-10-14 16:47 J -22903809.83 -22903809.80 -22903809.77 0.3818 0.3609

Mercury -67415-04-30 09:06 J -22901786.21 -22901786.12 -22901786.03 0.3817 0.1983

Mercury -67410-11-14 01:40 J -22899762.53 -22899762.43 -22899762.33 0.3816 0.0343

Mercury -67404-05-29 18:13 J -22897738.84 -22897738.74 -22897738.64 0.3815 0.1342

Mercury -67399-12-13 10:47 J -22895715.11 -22895715.05 -22895714.99 0.3814 0.3037

Mercury -67383-01-05 14:23 J -22890213.00 -22890212.90 -22890212.79 0.3562 0.2550

Mercury -67378-07-22 20:52 J -22888188.77 -22888188.63 -22888188.48 0.3563 0.1187

Mercury -67364-05-21 14:23 J -22883136.96 -22883136.90 -22883136.84 0.3818 0.3042

Mercury -67359-12-05 06:42 J -22881113.31 -22881113.22 -22881113.12 0.3817 0.1413

Mercury -67353-06-19 23:16 J -22879089.63 -22879089.53 -22879089.42 0.3816 0.0277

Mercury -67347-01-03 16:04 J -22877065.92 -22877065.83 -22877065.75 0.3815 0.1949

Mercury -67342-07-20 08:37 J -22875042.17 -22875042.14 -22875042.11 0.3814 0.3645

Mercury -67327-08-12 16:04 J -22869539.97 -22869539.83 -22869539.69 0.3563 0.1269

Mercury -67321-02-26 22:18 J -22867515.68 -22867515.57 -22867515.46 0.3564 0.2422

Mercury -67308-12-26 11:59 J -22862464.08 -22862464.00 -22862463.92 0.3817 0.2467

Mercury -67302-07-12 04:33 J -22860440.41 -22860440.31 -22860440.21 0.3817 0.0833

Mercury -67296-01-24 21:06 J -22858416.72 -22858416.62 -22858416.52 0.3816 0.0860

Mercury -67291-08-10 13:40 J -22856393.01 -22856392.93 -22856392.85 0.3815 0.2545

Mercury -67270-03-19 17:30 J -22848866.92 -22848866.77 -22848866.62 0.3563 0.0003

Mercury -67256-01-16 17:16 J -22843814.82 -22843814.78 -22843814.74 0.3818 0.3523

Mercury -67251-08-02 09:35 J -22841791.18 -22841791.10 -22841791.01 0.3817 0.1896

Mercury -67245-02-16 02:09 J -22839767.51 -22839767.41 -22839767.31 0.3817 0.0235

Mercury -67240-08-31 18:42 J -22837743.81 -22837743.72 -22837743.62 0.3816 0.1451

Mercury -67234-03-17 11:16 J -22835720.08 -22835720.03 -22835719.97 0.3815 0.3150

Mercury -67219-04-09 12:28 J -22830218.09 -22830217.98 -22830217.87 0.3562 0.2516

Mercury -67214-10-24 18:42 J -22828193.86 -22828193.72 -22828193.57 0.3563 0.1238

Mercury -67200-08-23 14:52 J -22823141.94 -22823141.88 -22823141.82 0.3818 0.2952

Mercury -67194-03-09 07:11 J -22821118.29 -22821118.20 -22821118.10 0.3817 0.1326

Mercury -67189-09-21 23:45 J -22819094.61 -22819094.51 -22819094.40 0.3817 0.0387

Mercury -67183-04-07 16:18 J -22817070.90 -22817070.82 -22817070.73 0.3816 0.2045

Mercury -67178-10-22 09:06 J -22815047.13 -22815047.12 -22815047.11 0.3814 0.3759

Mercury -67163-11-14 13:54 J -22809545.06 -22809544.92 -22809544.78 0.3562 0.1243

Mercury -67157-05-30 20:09 J -22807520.76 -22807520.66 -22807520.55 0.3563 0.2488

Mercury -67143-03-30 12:28 J -22802469.06 -22802468.98 -22802468.90 0.3818 0.2388

Mercury -67138-10-14 05:01 J -22800445.39 -22800445.29 -22800445.19 0.3817 0.0738

Mercury -67132-04-28 21:35 J -22798421.70 -22798421.60 -22798421.51 0.3816 0.0960

Mercury -67127-11-12 14:09 J -22796397.99 -22796397.91 -22796397.84 0.3815 0.2648

Mercury -67106-06-21 15:21 J -22788872.01 -22788871.86 -22788871.70 0.3562 0.0085

Mercury -67092-04-20 17:45 J -22783819.80 -22783819.76 -22783819.72 0.3818 0.3451

Mercury -67087-11-04 10:04 J -22781796.17 -22781796.08 -22781795.99 0.3818 0.1811

Mercury -67081-05-20 02:37 J -22779772.49 -22779772.39 -22779772.29 0.3817 0.0140

Mercury -67076-12-03 19:11 J -22777748.79 -22777748.70 -22777748.61 0.3816 0.1545

Mercury -67070-06-19 11:45 J -22775725.06 -22775725.01 -22775724.96 0.3815 0.3264

Mercury -67055-07-12 10:18 J -22770223.18 -22770223.07 -22770222.96 0.3562 0.2478

Mercury -67049-01-26 17:01 J -22768198.94 -22768198.79 -22768198.65 0.3563 0.1317

Mercury -67036-11-25 15:21 J -22763146.92 -22763146.86 -22763146.79 0.3818 0.2877

Mercury -67030-06-11 07:54 J -22761123.27 -22761123.17 -22761123.08 0.3817 0.1229

Mercury -67025-12-25 00:13 J -22759099.59 -22759099.49 -22759099.38 0.3817 0.0473

Mercury -67019-07-10 16:47 J -22757075.88 -22757075.80 -22757075.71 0.3816 0.2153

67TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 67th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-66998-02-16 11:59 J	-22749550.15	-22749550.00	-22749549.85	0.3562	0.1178		
Mercury	-66993-09-01 18:28 J	-22747525.84	-22747525.73	-22747525.63	0.3563	0.2584		
Mercury	-66979-07-02 12:57 J	-22742474.04	-22742473.96	-22742473.88	0.3818	0.2300		
Mercury	-66973-01-16 05:30 J	-22740450.37	-22740450.27	-22740450.17	0.3817	0.0630		
Mercury	-66968-07-31 22:04 J	-22738426.68	-22738426.58	-22738426.48	0.3816	0.1059		
Mercury	-66962-02-14 14:37 J	-22736402.96	-22736402.89	-22736402.82	0.3816	0.2765		
Mercury	-66942-09-23 13:25 J	-22728877.09	-22728876.94	-22728876.79	0.3562	0.0097		
Mercury	-66928-07-23 18:13 J	-22723824.78	-22723824.74	-22723824.69	0.3818	0.3364		
Mercury	-66922-02-06 10:47 J	-22721801.15	-22721801.05	-22721800.96	0.3818	0.1719		
Mercury	-66917-08-22 03:06 J	-22719777.47	-22719777.37	-22719777.27	0.3817	0.0073		
Mercury	-66911-03-07 19:40 J	-22717753.77	-22717753.68	-22717753.59	0.3816	0.1652		
Mercury	-66906-09-21 12:13 J	-22715730.03	-22715729.99	-22715729.94	0.3815	0.3378		

Mercury -66891-10-14 08:09 J -22710228.27 -22710228.16 -22710228.05 0.3562 0.2460

Mercury -66885-04-29 14:52 J -22708204.02 -22708203.88 -22708203.74 0.3563 0.1383

Mercury -66871-02-27 15:49 J -22703151.90 -22703151.84 -22703151.77 0.3818 0.2793

Mercury -66866-09-13 08:23 J -22701128.25 -22701128.15 -22701128.05 0.3818 0.1126

Mercury -66860-03-29 00:42 J -22699104.57 -22699104.47 -22699104.37 0.3817 0.0563

Mercury -66855-10-12 17:16 J -22697080.86 -22697080.78 -22697080.69 0.3816 0.2265

Mercury -66834-05-21 09:49 J -22689555.24 -22689555.09 -22689554.94 0.3562 0.1147

Mercury -66829-12-04 16:18 J -22687530.92 -22687530.82 -22687530.72 0.3563 0.2665

Mercury -66815-10-04 13:25 J -22682479.02 -22682478.94 -22682478.85 0.3818 0.2214

Mercury -66809-04-19 05:59 J -22680455.35 -22680455.25 -22680455.15 0.3818 0.0545

Mercury -66804-11-02 22:33 J -22678431.66 -22678431.56 -22678431.47 0.3817 0.1165

Mercury -66798-05-19 15:06 J -22676407.94 -22676407.87 -22676407.81 0.3816 0.2873

Mercury -66778-12-26 11:30 J -22668882.18 -22668882.02 -22668881.87 0.3562 0.0180

Mercury -66764-10-25 18:42 J -22663829.77 -22663829.72 -22663829.67 0.3818 0.3284

Mercury -66758-05-11 11:16 J -22661806.13 -22661806.03 -22661805.94 0.3818 0.1633

Mercury -66753-11-24 03:35 J -22659782.45 -22659782.35 -22659782.25 0.3817 0.0055

Mercury -66747-06-09 20:09 J -22657758.75 -22657758.66 -22657758.57 0.3817 0.1762

Mercury -66742-12-24 12:42 J -22655735.01 -22655734.97 -22655734.93 0.3815 0.3485

Mercury -66726-01-16 06:13 J -22650233.35 -22650233.24 -22650233.13 0.3562 0.2409

Mercury -66721-08-01 12:57 J -22648209.10 -22648208.96 -22648208.82 0.3562 0.1475

Mercury -66707-06-01 16:18 J -22643156.89 -22643156.82 -22643156.74 0.3818 0.2706

Mercury -66702-12-16 08:52 J -22641133.23 -22641133.13 -22641133.03 0.3818 0.1036

Mercury -66696-07-01 01:11 J -22639109.55 -22639109.45 -22639109.35 0.3817 0.0671

Mercury -66690-01-14 17:45 J -22637085.84 -22637085.76 -22637085.68 0.3816 0.2380

Mercury -66670-08-23 07:54 J -22629560.32 -22629560.17 -22629560.03 0.3562 0.1088

Mercury -66664-03-08 14:23 J -22627535.99 -22627535.90 -22627535.80 0.3563 0.2759

Mercury -66656-06-22 21:35 J -22624507.61 -22624507.60 -22624507.58 0.3818 0.3776

Mercury -66650-01-06 14:09 J -22622484.00 -22622483.91 -22622483.83 0.3818 0.2119

Mercury -66645-07-22 06:28 J -22620460.33 -22620460.23 -22620460.13 0.3818 0.0440

Mercury -66639-02-04 23:01 J -22618436.64 -22618436.54 -22618436.45 0.3817 0.1269

Mercury -66634-08-21 15:35 J -22616412.91 -22616412.85 -22616412.79 0.3816 0.2990

Mercury -66613-03-29 09:21 J -22608887.26 -22608887.11 -22608886.95 0.3562 0.0251

Mercury -66599-01-27 19:25 J -22603834.75 -22603834.69 -22603834.64 0.3818 0.3191

Mercury -66594-08-13 11:45 J -22601811.10 -22601811.01 -22601810.92 0.3818 0.1526

Mercury -66588-02-26 04:04 J -22599787.43 -22599787.33 -22599787.23 0.3818 0.0179

Mercury -66583-09-11 20:37 J -22597763.73 -22597763.64 -22597763.55 0.3817 0.1878

Mercury -66577-03-27 13:11 J -22595739.98 -22595739.95 -22595739.92 0.3816 0.3601

Mercury -66562-04-20 04:04 J -22590238.44 -22590238.33 -22590238.21 0.3562 0.2377

Mercury -66557-11-03 10:47 J -22588214.19 -22588214.05 -22588213.91 0.3562 0.1526

Mercury -66543-09-03 17:01 J -22583161.87 -22583161.79 -22583161.72 0.3818 0.2606

Mercury -66537-03-19 09:21 J -22581138.21 -22581138.11 -22581138.01 0.3818 0.0937

Mercury -66532-10-03 01:40 J -22579114.53 -22579114.43 -22579114.33 0.3817 0.0784

Mercury -66526-04-18 18:13 J -22577090.82 -22577090.74 -22577090.66 0.3817 0.2481

Mercury -66506-11-25 05:45 J -22569565.41 -22569565.26 -22569565.11 0.3561 0.1043

Mercury -66500-06-10 12:28 J -22567541.07 -22567540.98 -22567540.89 0.3562 0.2829

Mercury -66492-09-24 22:18 J -22564512.60 -22564512.57 -22564512.55 0.3819 0.3686

Mercury -66486-04-10 14:37 J -22562488.98 -22562488.89 -22562488.81 0.3818 0.2034

Mercury -66481-10-24 06:57 J -22560465.31 -22560465.21 -22560465.11 0.3818 0.0340

Mercury -66475-05-09 23:30 J -22558441.62 -22558441.52 -22558441.43 0.3817 0.1373

Mercury -66470-11-23 16:04 J -22556417.89 -22556417.83 -22556417.78 0.3816 0.3101

Mercury -66449-07-01 07:25 J -22548892.35 -22548892.19 -22548892.04 0.3562 0.0298

Mercury -66435-05-01 19:54 J -22543839.73 -22543839.67 -22543839.62 0.3818 0.3112

Mercury -66430-11-15 12:13 J -22541816.09 -22541815.99 -22541815.90 0.3818 0.1438

Mercury -66424-05-31 04:33 J -22539792.41 -22539792.31 -22539792.21 0.3818 0.0275

Mercury -66419-12-14 21:06 J -22537768.71 -22537768.62 -22537768.53 0.3817 0.1979

Mercury -66413-06-29 13:40 J -22535744.95 -22535744.93 -22535744.91 0.3816 0.3720

Mercury -66398-07-23 02:09 J -22530243.53 -22530243.41 -22530243.30 0.3561 0.2328

Mercury -66392-02-05 08:52 J -22528219.26 -22528219.13 -22528218.99 0.3562 0.1614

Mercury -66379-12-06 17:30 J -22523166.85 -22523166.77 -22523166.70 0.3818 0.2527

Mercury -66373-06-21 09:49 J -22521143.19 -22521143.09 -22521142.99 0.3818 0.0835

Mercury -66367-01-05 02:23 J -22519119.50 -22519119.40 -22519119.31 0.3817 0.0886

Mercury -66362-07-21 18:42 J -22517095.79 -22517095.72 -22517095.64 0.3817 0.2597

Mercury -66341-02-27 03:49 J -22509570.49 -22509570.34 -22509570.19 0.3561 0.0977

Mercury -66336-09-12 10:18 J -22507546.15 -22507546.07 -22507545.98 0.3562 0.2925

Mercury -66328-12-27 22:47 J -22504517.58 -22504517.55 -22504517.52 0.3818 0.3600

Mercury -66322-07-13 15:06 J -22502493.96 -22502493.87 -22502493.78 0.3818 0.1930

Mercury -66316-01-26 07:25 J -22500470.29 -22500470.19 -22500470.09 0.3818 0.0249

Mercury -66311-08-11 23:59 J -22498446.60 -22498446.50 -22498446.41 0.3817 0.1486

Mercury -66305-02-25 16:33 J -22496422.87 -22496422.81 -22496422.76 0.3817 0.3222

Mercury -66285-10-03 05:16 J -22488897.44 -22488897.28 -22488897.13 0.3562 0.0352

Mercury -66271-08-03 20:23 J -22483844.71 -22483844.65 -22483844.59 0.3818 0.3015

Mercury -66265-02-17 12:42 J -22481821.06 -22481820.97 -22481820.87 0.3818 0.1332

Mercury -66260-09-02 05:01 J -22479797.39 -22479797.29 -22479797.18 0.3818 0.0405

Mercury -66254-03-18 21:35 J -22477773.69 -22477773.60 -22477773.52 0.3817 0.2092

Mercury -66234-10-24 23:45 J -22470248.63 -22470248.51 -22470248.39 0.3561 0.2301

Mercury -66228-05-10 06:42 J -22468224.35 -22468224.22 -22468224.08 0.3562 0.1685

Mercury -66214-03-10 17:59 J -22463171.83 -22463171.75 -22463171.67 0.3819 0.2429

Mercury -66209-09-23 10:18 J -22461148.17 -22461148.07 -22461147.97 0.3818 0.0736

Mercury -66203-04-09 02:37 J -22459124.48 -22459124.39 -22459124.29 0.3818 0.0989

Mercury -66198-10-23 19:11 J -22457100.77 -22457100.70 -22457100.63 0.3817 0.2713

Mercury -66177-05-31 01:25 J -22449575.59 -22449575.44 -22449575.29 0.3561 0.0940

Mercury -66172-12-15 08:23 J -22447551.23 -22447551.15 -22447551.07 0.3562 0.3011

Mercury -66163-03-31 23:16 J -22444522.57 -22444522.53 -22444522.49 0.3819 0.3517

Mercury -66158-10-15 15:35 J -22442498.94 -22442498.85 -22442498.76 0.3819 0.1833

Mercury -66152-04-30 07:54 J -22440475.27 -22440475.17 -22440475.07 0.3818 0.0143

Mercury -66147-11-14 00:28 J -22438451.58 -22438451.48 -22438451.39 0.3818 0.1593

Mercury -66141-05-29 17:01 J -22436427.84 -22436427.79 -22436427.75 0.3817 0.3337

Mercury -66120-01-05 03:06 J -22428902.52 -22428902.37 -22428902.21 0.3561 0.0435

Mercury -66107-11-05 20:52 J -22423849.69 -22423849.63 -22423849.57 0.3819 0.2928

Mercury -66101-05-21 13:11 J -22421826.04 -22421825.95 -22421825.85 0.3818 0.1237

Mercury	-66096-12-05 05:30 J	-22419802.37	-22419802.27	-22419802.17	0.3818	0.0487
Mercury	-66090-06-20 22:04 J	-22417778.66	-22417778.58	-22417778.50	0.3817	0.2210
Mercury	-66069-01-26 21:49 J	-22410253.71	-22410253.59	-22410253.47	0.3561	0.2241
Mercury	-66064-08-12 04:47 J	-22408229.43	-22408229.30	-22408229.16	0.3561	0.1778
Mercury	-66050-06-12 18:28 J	-22403176.81	-22403176.73	-22403176.65	0.3819	0.2330
Mercury	-66045-12-26 10:47 J	-22401153.15	-22401153.05	-22401152.95	0.3818	0.0639
Mercury	-66039-07-12 03:21 J	-22399129.46	-22399129.36	-22399129.27	0.3818	0.1100
Mercury	-66033-01-25 19:40 J	-22397105.74	-22397105.68	-22397105.61	0.3817	0.2836
Mercury	-66013-09-01 23:30 J	-22389580.67	-22389580.52	-22389580.37	0.3561	0.0871
Mercury	-66007-03-19 06:28 J	-22387556.30	-22387556.23	-22387556.16	0.3562	0.3116

66TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 66th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-65999-07-03 23:45 J	-22384527.55	-22384527.51	-22384527.47	0.3819	0.3426		
Mercury	-65993-01-17 16:04 J	-22382503.92	-22382503.83	-22382503.74	0.3819	0.1735		
Mercury	-65988-08-02 08:23 J	-22380480.25	-22380480.15	-22380480.04	0.3818	0.0141		
Mercury	-65982-02-16 00:57 J	-22378456.55	-22378456.46	-22378456.37	0.3818	0.1708		
Mercury	-65977-08-31 17:30 J	-22376432.81	-22376432.77	-22376432.73	0.3817	0.3462		
Mercury	-65956-04-09 01:11 J	-22368907.61	-22368907.45	-22368907.30	0.3561	0.0498		
Mercury	-65942-02-07 21:21 J	-22363854.67	-22363854.61	-22363854.54	0.3819	0.2830		
Mercury	-65937-08-23 13:40 J	-22361831.02	-22361830.93	-22361830.83	0.3819	0.1137		
Mercury	-65931-03-09 06:13 J	-22359807.35	-22359807.24	-22359807.14	0.3818	0.0611		

Mercury -65926-09-22 22:33 J -22357783.64 -22357783.56 -22357783.48 0.3818 0.2329

Mercury -65905-04-29 19:25 J -22350258.81 -22350258.69 -22350258.56 0.3561 0.2209

Mercury -65900-11-14 02:37 J -22348234.52 -22348234.39 -22348234.26 0.3561 0.1833

Mercury -65886-09-14 18:57 J -22343181.79 -22343181.71 -22343181.62 0.3819 0.2236

Mercury -65880-03-30 11:16 J -22341158.13 -22341158.03 -22341157.93 0.3819 0.0542

Mercury -65875-10-14 03:49 J -22339134.44 -22339134.34 -22339134.25 0.3818 0.1205

Mercury -65869-04-28 20:09 J -22337110.72 -22337110.66 -22337110.60 0.3818 0.2943

Mercury -65849-12-04 21:21 J -22329585.76 -22329585.61 -22329585.46 0.3561 0.0821

Mercury -65843-06-21 04:18 J -22327561.39 -22327561.32 -22327561.26 0.3561 0.3193

Mercury -65835-10-06 00:28 J -22324532.53 -22324532.48 -22324532.44 0.3819 0.3332

Mercury -65829-04-20 16:33 J -22322508.90 -22322508.81 -22322508.72 0.3819 0.1643

Mercury -65824-11-04 08:52 J -22320485.23 -22320485.13 -22320485.02 0.3819 0.0176

Mercury -65818-05-21 01:25 J -22318461.53 -22318461.44 -22318461.35 0.3818 0.1819

Mercury -65813-12-03 17:45 J -22316437.79 -22316437.76 -22316437.72 0.3817 0.3578

Mercury -65798-12-26 15:35 J -22310936.85 -22310936.85 -22310936.84 0.3561 0.3552

Mercury -65792-07-11 23:01 J -22308912.70 -22308912.54 -22308912.39 0.3561 0.0563

Mercury -65778-05-12 21:49 J -22303859.65 -22303859.59 -22303859.52 0.3819 0.2742

Mercury -65773-11-25 14:09 J -22301836.00 -22301835.91 -22301835.81 0.3819 0.1040

Mercury -65767-06-11 06:42 J -22299812.32 -22299812.22 -22299812.12 0.3818 0.0711

Mercury -65762-12-25 23:01 J -22297788.62 -22297788.54 -22297788.46 0.3818 0.2438

Mercury -65741-08-01 17:30 J -22290263.90 -22290263.77 -22290263.65 0.3561 0.2143

Mercury -65735-02-16 00:42 J -22288239.60 -22288239.47 -22288239.34 0.3561 0.1937

Mercury -65722-12-17 19:40 J -22283186.77 -22283186.68 -22283186.60 0.3819 0.2146

Mercury -65716-07-02 11:59 J -22281163.11 -22281163.00 -22281162.90 0.3819 0.0455

Mercury -65710-01-16 04:18 J -22279139.42 -22279139.32 -22279139.23 0.3818 0.1318

Mercury -65705-07-31 20:37 J -22277115.70 -22277115.64 -22277115.58 0.3818 0.3070

Mercury -65684-03-08 19:11 J -22269590.85 -22269590.70 -22269590.55 0.3561 0.0750

Mercury -65679-09-23 02:09 J -22267566.46 -22267566.41 -22267566.35 0.3561 0.3292

Mercury -65670-01-08 00:57 J -22264537.51 -22264537.46 -22264537.41 0.3819 0.3232

Mercury -65665-07-23 17:16 J -22262513.88 -22262513.78 -22262513.69 0.3819 0.1544

Mercury -65659-02-06 09:35 J -22260490.20 -22260490.10 -22260490.00 0.3819 0.0228

Mercury -65654-08-23 01:54 J -22258466.51 -22258466.42 -22258466.33 0.3818 0.1939

Mercury -65648-03-07 18:28 J -22256442.76 -22256442.73 -22256442.71 0.3818 0.3705

Mercury -65633-03-29 13:25 J -22250941.96 -22250941.94 -22250941.92 0.3561 0.3514

Mercury -65628-10-13 20:52 J -22248917.79 -22248917.63 -22248917.48 0.3561 0.0629

Mercury -65614-08-14 22:33 J -22243864.63 -22243864.56 -22243864.49 0.3819 0.2635

Mercury -65608-02-27 14:52 J -22241840.98 -22241840.88 -22241840.79 0.3819 0.0934

Mercury -65603-09-13 07:11 J -22239817.30 -22239817.20 -22239817.10 0.3819 0.0815

Mercury -65597-03-28 23:30 J -22237793.59 -22237793.52 -22237793.44 0.3818 0.2560

Mercury -65577-11-03 15:06 J -22230268.99 -22230268.87 -22230268.74 0.3561 0.2121

Mercury -65571-05-20 22:33 J -22228244.69 -22228244.56 -22228244.44 0.3561 0.2011

Mercury -65563-09-05 03:49 J -22225215.36 -22225215.34 -22225215.32 0.3819 0.3731

Mercury -65557-03-20 20:09 J -22223191.75 -22223191.66 -22223191.58 0.3819 0.2040

Mercury -65552-10-04 12:28 J -22221168.08 -22221167.98 -22221167.88 0.3819 0.0320

Mercury -65546-04-20 04:47 J -22219144.40 -22219144.30 -22219144.21 0.3818 0.1429

Mercury -65541-11-02 21:06 J -22217120.67 -22217120.62 -22217120.56 0.3818 0.3193

Mercury -65520-06-10 16:47 J -22209595.95 -22209595.80 -22209595.64 0.3561 0.0717

Mercury -65515-12-26 00:13 J -22207571.54 -22207571.49 -22207571.45 0.3561 0.3393

Mercury -65506-04-12 01:25 J -22204542.50 -22204542.44 -22204542.39 0.3819 0.3144

Mercury -65501-10-25 17:45 J -22202518.86 -22202518.76 -22202518.67 0.3819 0.1437

Mercury -65495-05-11 10:04 J -22200495.19 -22200495.08 -22200494.98 0.3819 0.0324

Mercury -65490-11-25 02:23 J -22198471.49 -22198471.40 -22198471.32 0.3818 0.2049

Mercury -65469-07-01 11:16 J -22190947.06 -22190947.03 -22190947.01 0.3560 0.3489

Mercury -65463-01-15 18:42 J -22188922.87 -22188922.72 -22188922.57 0.3561 0.0709

Mercury -65450-11-16 23:01 J -22183869.62 -22183869.54 -22183869.47 0.3819 0.2542

Mercury -65444-06-01 15:21 J -22181845.96 -22181845.86 -22181845.76 0.3819 0.0821

Mercury -65439-12-16 07:40 J -22179822.28 -22179822.18 -22179822.08 0.3819 0.0924

Mercury -65433-06-30 23:59 J -22177798.57 -22177798.50 -22177798.43 0.3818 0.2685

Mercury -65412-02-05 12:57 J -22170274.08 -22170273.96 -22170273.83 0.3561 0.2058

Mercury -65407-08-22 20:23 J -22168249.77 -22168249.65 -22168249.52 0.3561 0.2110

Mercury -65399-12-08 04:18 J -22165220.34 -22165220.32 -22165220.29 0.3819 0.3646

Mercury -65393-06-22 20:37 J -22163196.73 -22163196.64 -22163196.55 0.3819 0.1932

Mercury -65387-01-06 12:57 J -22161173.06 -22161172.96 -22161172.86 0.3819 0.0205

Mercury -65382-07-23 05:16 J -22159149.37 -22159149.28 -22159149.19 0.3818 0.1545

Mercury -65376-02-04 21:35 J -22157125.64 -22157125.60 -22157125.55 0.3818 0.3324

Mercury -65356-09-12 14:52 J -22149601.04 -22149600.88 -22149600.73 0.3561 0.0635

Mercury -65350-03-29 22:04 J -22147576.60 -22147576.58 -22147576.55 0.3561 0.3497

Mercury -65342-07-15 01:54 J -22144547.48 -22144547.42 -22144547.36 0.3819 0.3044

Mercury -65336-01-27 18:13 J -22142523.83 -22142523.74 -22142523.64 0.3819 0.1319

Mercury -65331-08-13 10:33 J -22140500.16 -22140500.06 -22140499.96 0.3819 0.0418

Mercury -65325-02-27 02:52 J -22138476.46 -22138476.38 -22138476.30 0.3819 0.2178

Mercury -65305-10-03 08:52 J -22130952.16 -22130952.13 -22130952.09 0.3561 0.3455

Mercury -65299-04-19 16:33 J -22128927.96 -22128927.81 -22128927.66 0.3561 0.0782

Mercury -65285-02-18 23:30 J -22123874.59 -22123874.52 -22123874.44 0.3819 0.2436

Mercury -65280-09-03 15:49 J -22121850.94 -22121850.84 -22121850.74 0.3819 0.0703

Mercury -65274-03-20 08:09 J -22119827.26 -22119827.16 -22119827.06 0.3819 0.1037

Mercury -65269-10-03 00:28 J -22117803.54 -22117803.48 -22117803.41 0.3818 0.2812

Mercury -65248-05-10 10:47 J -22110279.18 -22110279.05 -22110278.92 0.3561 0.2015

Mercury -65243-11-24 18:13 J -22108254.86 -22108254.74 -22108254.62 0.3561 0.2176

Mercury -65234-03-12 05:01 J -22105225.33 -22105225.29 -22105225.26 0.3819 0.3552

Mercury -65229-09-24 21:06 J -22103201.71 -22103201.62 -22103201.53 0.3819 0.1828

Mercury -65223-04-10 13:25 J -22101178.04 -22101177.94 -22101177.84 0.3819 0.0103

Mercury -65218-10-25 05:45 J -22099154.35 -22099154.26 -22099154.17 0.3819 0.1665

Mercury -65212-05-09 22:04 J -22097130.62 -22097130.58 -22097130.54 0.3818 0.3437

Mercury -65192-12-15 12:42 J -22089606.13 -22089605.97 -22089605.82 0.3560 0.0580

Mercury -65178-10-17 02:23 J -22084552.46 -22084552.40 -22084552.33 0.3819 0.2948

Mercury -65172-05-01 18:42 J -22082528.82 -22082528.72 -22082528.62 0.3819 0.1220

Mercury -65167-11-15 11:01 J -22080505.14 -22080505.04 -22080504.94 0.3819 0.0529

Mercury -65161-05-31 03:21 J -22078481.44 -22078481.36 -22078481.28 0.3819 0.2297

Mercury -65140-01-05 06:42 J -22070957.26 -22070957.22 -22070957.18 0.3561 0.3404

Mercury -65135-07-22 14:23 J -22068933.05 -22068932.90 -22068932.75 0.3560 0.0862

Mercury -65121-05-22 23:59 J -22063879.58 -22063879.50 -22063879.42 0.3819 0.2341

Mercury -65116-12-06 16:18 J -22061855.92 -22061855.82 -22061855.72 0.3819 0.0603

Mercury -65110-06-22 08:37 J -22059832.24 -22059832.14 -22059832.04 0.3819 0.1156

Mercury -65104-01-05 00:57 J -22057808.52 -22057808.46 -22057808.39 0.3818 0.2931

Mercury -65084-08-12 08:37 J -22050284.27 -22050284.14 -22050284.01 0.3561 0.1939

Mercury -65078-02-26 16:04 J -22048259.95 -22048259.83 -22048259.71 0.3561 0.2282

Mercury -65070-06-14 05:30 J -22045230.31 -22045230.27 -22045230.23 0.3819 0.3445

Mercury -65065-12-27 21:35 J -22043206.69 -22043206.60 -22043206.51 0.3819 0.1728

Mercury -65059-07-13 13:54 J -22041183.02 -22041182.92 -22041182.82 0.3819 0.0048

Mercury -65053-01-27 06:13 J -22039159.33 -22039159.24 -22039159.15 0.3819 0.1795

Mercury -65048-08-11 22:33 J -22037135.59 -22037135.56 -22037135.52 0.3818 0.3572

Mercury -65027-03-19 10:33 J -22029611.22 -22029611.06 -22029610.91 0.3560 0.0504

Mercury -65013-01-19 03:06 J -22024557.44 -22024557.37 -22024557.31 0.3819 0.2838

Mercury -65008-08-03 19:11 J -22022533.79 -22022533.70 -22022533.60 0.3819 0.1113

Mercury -65002-02-17 11:30 J -22020510.12 -22020510.02 -22020509.92 0.3819 0.0653

65TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 65th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
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Mercury -64997-09-02 03:49 J -22018486.41 -22018486.34 -22018486.26 0.3819 0.2427

Mercury -64976-04-09 04:33 J -22010962.36 -22010962.31 -22010962.26 0.3561 0.3360

Mercury -64971-10-24 11:59 J -22008938.15 -22008938.00 -22008937.84 0.3560 0.0925

Mercury -64957-08-25 00:42 J -22003884.55 -22003884.47 -22003884.39 0.3819 0.2227

Mercury -64951-03-10 16:47 J -22001860.90 -22001860.80 -22001860.70 0.3819 0.0500

Mercury -64946-09-24 09:06 J -21999837.21 -21999837.12 -21999837.02 0.3819 0.1286

Mercury -64940-04-09 01:25 J -21997813.50 -21997813.44 -21997813.38 0.3819 0.3054

Mercury -64920-11-14 06:13 J -21990289.37 -21990289.24 -21990289.11 0.3560 0.1912

Mercury -64914-05-31 13:54 J -21988265.04 -21988264.92 -21988264.81 0.3561 0.2353

Mercury -64906-09-16 05:59 J -21985235.29 -21985235.25 -21985235.20 0.3819 0.3341

Mercury -64900-03-31 22:18 J -21983211.67 -21983211.57 -21983211.48 0.3819 0.1625

Mercury -64895-10-15 14:23 J -21981188.00 -21981187.90 -21981187.80 0.3819 0.0179

Mercury -64889-04-30 06:42 J -21979164.31 -21979164.22 -21979164.13 0.3819 0.1905

Mercury -64884-11-13 23:01 J -21977140.56 -21977140.54 -21977140.51 0.3819 0.3696

Mercury -64863-06-21 08:09 J -21969616.32 -21969616.16 -21969616.01 0.3560 0.0449

Mercury -64849-04-22 03:35 J -21964562.42 -21964562.35 -21964562.28 0.3819 0.2743

Mercury -64844-11-05 19:40 J -21962538.77 -21962538.68 -21962538.58 0.3819 0.1013

Mercury -64838-05-22 11:59 J -21960515.10 -21960515.00 -21960514.90 0.3819 0.0768

Mercury -64833-12-05 04:18 J -21958491.39 -21958491.32 -21958491.24 0.3819 0.2542

Mercury -64812-07-12 02:09 J -21950967.46 -21950967.41 -21950967.35 0.3560 0.3317

Mercury -64806-01-26 10:04 J -21948943.23 -21948943.08 -21948942.93 0.3560 0.1015

Mercury -64793-11-27 01:11 J -21943889.54 -21943889.45 -21943889.37 0.3819 0.2127

Mercury -64787-06-12 17:16 J -21941865.88 -21941865.78 -21941865.67 0.3819 0.0409

Mercury -64782-12-27 09:35 J -21939842.19 -21939842.10 -21939842.00 0.3819 0.1398

Mercury -64776-07-12 01:54 J -21937818.47 -21937818.42 -21937818.36 0.3819 0.3185

Mercury -64755-02-16 04:04 J -21930294.46 -21930294.33 -21930294.19 0.3560 0.1839

Mercury -64750-09-02 11:45 J -21928270.12 -21928270.01 -21928269.90 0.3561 0.2460

Mercury -64742-12-19 06:28 J -21925240.28 -21925240.23 -21925240.18 0.3818 0.3250

Mercury -64736-07-03 22:47 J -21923216.64 -21923216.55 -21923216.46 0.3819 0.1506

Mercury -64730-01-17 15:06 J -21921192.98 -21921192.87 -21921192.77 0.3819 0.0304

Mercury -64725-08-02 07:11 J -21919169.28 -21919169.20 -21919169.11 0.3819 0.2034

Mercury -64699-09-23 05:59 J -21909621.41 -21909621.25 -21909621.10 0.3561 0.0388

Mercury -64685-07-25 04:04 J -21904567.40 -21904567.33 -21904567.26 0.3819 0.2633

Mercury -64679-02-07 20:23 J -21902543.75 -21902543.65 -21902543.55 0.3819 0.0880

Mercury -64674-08-24 12:42 J -21900520.07 -21900519.97 -21900519.88 0.3819 0.0904

Mercury -64668-03-09 04:47 J -21898496.37 -21898496.30 -21898496.22 0.3819 0.2677

Mercury -64648-10-13 23:45 J -21890972.56 -21890972.51 -21890972.45 0.3561 0.3285

Mercury -64642-04-30 07:40 J -21888948.33 -21888948.18 -21888948.03 0.3561 0.1086

Mercury -64634-08-16 09:35 J -21885918.12 -21885918.10 -21885918.09 0.3818 0.3750

Mercury -64628-03-01 01:40 J -21883894.51 -21883894.43 -21883894.34 0.3819 0.2013

Mercury -64623-09-14 17:59 J -21881870.85 -21881870.75 -21881870.65 0.3819 0.0264

Mercury -64617-03-30 10:04 J -21879847.17 -21879847.08 -21879846.98 0.3819 0.1524

Mercury -64612-10-14 02:37 J -21877823.44 -21877823.39 -21877823.35 0.3819 0.3318

Mercury -64591-05-21 01:40 J -21870299.56 -21870299.43 -21870299.29 0.3561 0.1797

Mercury -64586-12-05 09:35 J -21868275.21 -21868275.10 -21868275.00 0.3560 0.2544

Mercury -64577-03-22 07:11 J -21865245.26 -21865245.20 -21865245.15 0.3819 0.3146

Mercury -64572-10-05 23:16 J -21863221.62 -21863221.53 -21863221.43 0.3819 0.1390

Mercury -64566-04-21 15:35 J -21861197.96 -21861197.85 -21861197.75 0.3819 0.0402

Mercury -64561-11-04 07:40 J -21859174.26 -21859174.18 -21859174.09 0.3819 0.2164

Mercury -64535-12-26 03:35 J -21849626.50 -21849626.35 -21849626.19 0.3560 0.0310

Mercury -64521-10-27 04:33 J -21844572.38 -21844572.31 -21844572.23 0.3819 0.2530

Mercury -64515-05-12 20:52 J -21842548.73 -21842548.63 -21842548.53 0.3819 0.0776

Mercury -64510-11-26 12:57 J -21840525.05 -21840524.96 -21840524.86 0.3819 0.1019

Mercury -64504-06-11 05:30 J -21838501.34 -21838501.27 -21838501.21 0.3819 0.2804

Mercury -64483-01-15 21:35 J -21830977.66 -21830977.60 -21830977.54 0.3561 0.3227

Mercury -64478-08-02 05:30 J -21828953.42 -21828953.27 -21828953.12 0.3560 0.1181

Mercury -64470-11-18 10:04 J -21825923.11 -21825923.08 -21825923.05 0.3818 0.3654

Mercury -64464-06-03 02:09 J -21823899.49 -21823899.41 -21823899.32 0.3819 0.1909

Mercury -64459-12-17 18:28 J -21821875.83 -21821875.73 -21821875.63 0.3819 0.0160

Mercury -64453-07-02 10:47 J -21819852.15 -21819852.05 -21819851.96 0.3819 0.1650

Mercury -64447-01-16 03:06 J -21817828.41 -21817828.37 -21817828.33 0.3819 0.3448

Mercury -64427-08-22 23:30 J -21810304.66 -21810304.52 -21810304.38 0.3561 0.1723

Mercury -64421-03-08 07:25 J -21808280.30 -21808280.19 -21808280.09 0.3560 0.2652

Mercury -64413-06-24 07:40 J -21805250.24 -21805250.18 -21805250.12 0.3818 0.3032

Mercury -64407-01-07 23:45 J -21803226.60 -21803226.51 -21803226.41 0.3819 0.1282

Mercury -64402-07-24 16:04 J -21801202.93 -21801202.83 -21801202.73 0.3819 0.0499

Mercury -64396-02-06 08:23 J -21799179.23 -21799179.15 -21799179.07 0.3819 0.2292

Mercury -64370-03-30 01:25 J -21789631.60 -21789631.44 -21789631.28 0.3561 0.0226

Mercury -64356-01-29 05:16 J -21784577.36 -21784577.28 -21784577.20 0.3819 0.2410

Mercury -64351-08-14 21:21 J -21782553.71 -21782553.61 -21782553.51 0.3819 0.0656

Mercury -64345-02-28 13:40 J -21780530.03 -21780529.93 -21780529.83 0.3819 0.1134

Mercury -64340-09-13 05:59 J -21778506.32 -21778506.25 -21778506.19 0.3819 0.2936

Mercury -64319-04-19 19:11 J -21770982.76 -21770982.70 -21770982.63 0.3561 0.3184

Mercury -64314-11-04 03:06 J -21768958.51 -21768958.37 -21768958.22 0.3560 0.1245

Mercury -64305-02-20 10:33 J -21765928.09 -21765928.06 -21765928.02 0.3818 0.3544

Mercury -64300-09-05 02:52 J -21763904.47 -21763904.38 -21763904.29 0.3819 0.1788

Mercury -64294-03-21 18:57 J -21761880.81 -21761880.71 -21761880.61 0.3819 0.0030

Mercury -64289-10-04 11:16 J -21759857.12 -21759857.03 -21759856.94 0.3819 0.1775

Mercury -64283-04-20 03:35 J -21757833.39 -21757833.35 -21757833.32 0.3819 0.3577

Mercury -64263-11-24 21:06 J -21750309.76 -21750309.62 -21750309.48 0.3561 0.1686

Mercury -64257-06-10 05:01 J -21748285.39 -21748285.29 -21748285.19 0.3560 0.2725

Mercury -64249-09-26 08:09 J -21745255.22 -21745255.16 -21745255.09 0.3818 0.2923

Mercury -64243-04-12 00:13 J -21743231.58 -21743231.49 -21743231.39 0.3819 0.1177

Mercury -64238-10-26 16:33 J -21741207.91 -21741207.81 -21741207.71 0.3819 0.0616

Mercury -64232-05-11 08:52 J -21739184.21 -21739184.13 -21739184.06 0.3819 0.2411

Mercury -64206-07-01 23:01 J -21729636.70 -21729636.54 -21729636.38 0.3560 0.0176

Mercury -64192-05-03 05:45 J -21724582.34 -21724582.26 -21724582.18 0.3818 0.2309

Mercury -64187-11-16 21:49 J -21722558.69 -21722558.59 -21722558.49 0.3819 0.0547

Mercury -64181-06-01 14:09 J -21720535.01 -21720534.91 -21720534.82 0.3819 0.1255

Mercury -64176-12-16 06:28 J -21718511.29 -21718511.23 -21718511.17 0.3819 0.3060

Mercury -64155-07-22 17:01 J -21710987.87 -21710987.79 -21710987.72 0.3561 0.3131

Mercury -64149-02-06 00:57 J -21708963.60 -21708963.46 -21708963.31 0.3560 0.1343

Mercury -64141-05-24 11:16 J -21705933.07 -21705933.03 -21705932.99 0.3818 0.3440

Mercury -64136-12-08 03:21 J -21703909.45 -21703909.36 -21703909.27 0.3819 0.1684

Mercury -64130-06-23 19:25 J -21701885.79 -21701885.69 -21701885.59 0.3819 0.0150

Mercury -64124-01-06 11:45 J -21699862.10 -21699862.01 -21699861.92 0.3819 0.1896

Mercury -64119-07-23 04:04 J -21697838.35 -21697838.33 -21697838.31 0.3819 0.3711

Mercury -64098-02-26 18:57 J -21690314.85 -21690314.71 -21690314.57 0.3561 0.1601

Mercury -64093-09-12 02:52 J -21688290.47 -21688290.38 -21688290.29 0.3560 0.2835

Mercury -64085-12-29 08:37 J -21685260.20 -21685260.14 -21685260.07 0.3818 0.2823

Mercury -64079-07-15 00:57 J -21683236.56 -21683236.46 -21683236.37 0.3819 0.1052

Mercury -64073-01-28 17:01 J -21681212.89 -21681212.79 -21681212.69 0.3819 0.0754

Mercury -64068-08-13 09:21 J -21679189.19 -21679189.11 -21679189.04 0.3819 0.2545

Mercury -64042-10-03 20:52 J -21669641.79 -21669641.63 -21669641.48 0.3561 0.0124

Mercury -64028-08-05 06:13 J -21664587.32 -21664587.24 -21664587.16 0.3818 0.2194

Mercury -64022-02-18 22:33 J -21662563.66 -21662563.56 -21662563.46 0.3819 0.0426

Mercury -64017-09-03 14:37 J -21660539.98 -21660539.89 -21660539.79 0.3819 0.1387

Mercury -64011-03-20 06:57 J -21658516.26 -21658516.21 -21658516.16 0.3819 0.3195

64TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 64th millennium BCE.

PLANET	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
TRANSIT								
TIME								

Mercury -63991-10-24 14:23 J -21650992.97 -21650992.90 -21650992.82 0.3561 0.3099

Mercury -63985-05-09 22:33 J -21648968.70 -21648968.56 -21648968.41 0.3561 0.1420

Mercury -63977-08-26 11:45 J -21645938.06 -21645938.01 -21645937.96 0.3818 0.3325

Mercury -63971-03-12 03:49 J -21643914.43 -21643914.34 -21643914.25 0.3819 0.1564

Mercury -63966-09-25 20:09 J -21641890.76 -21641890.66 -21641890.56 0.3819 0.0267

Mercury -63960-04-10 12:13 J -21639867.08 -21639866.99 -21639866.90 0.3819 0.2023

Mercury -63934-05-31 16:33 J -21630319.95 -21630319.81 -21630319.67 0.3561 0.1554

Mercury -63929-12-15 00:28 J -21628295.57 -21628295.48 -21628295.39 0.3560 0.2922

Mercury -63920-04-02 09:21 J -21625265.18 -21625265.11 -21625265.04 0.3818 0.2709

Mercury -63915-10-17 01:25 J -21623241.54 -21623241.44 -21623241.34 0.3819 0.0925

Mercury -63909-05-01 17:30 J -21621217.87 -21621217.77 -21621217.67 0.3819 0.0868

Mercury -63904-11-15 09:49 J -21619194.16 -21619194.09 -21619194.02 0.3819 0.2676

Mercury -63877-01-05 18:28 J -21609646.89 -21609646.73 -21609646.57 0.3561 0.0032

Mercury -63864-11-07 06:42 J -21604592.30 -21604592.22 -21604592.13 0.3818 0.2087

Mercury -63858-05-23 23:01 J -21602568.64 -21602568.54 -21602568.44 0.3819 0.0304

Mercury -63853-12-06 15:06 J -21600544.96 -21600544.87 -21600544.78 0.3819 0.1506

Mercury -63847-06-22 07:25 J -21598521.24 -21598521.19 -21598521.14 0.3819 0.3331

Mercury -63826-01-26 12:13 J -21590998.07 -21590997.99 -21590997.91 0.3561 0.3026

Mercury -63821-08-11 20:23 J -21588973.79 -21588973.65 -21588973.50 0.3560 0.1520

Mercury -63813-11-28 12:13 J -21585943.04 -21585942.99 -21585942.94 0.3818 0.3223

Mercury -63807-06-14 04:18 J -21583919.41 -21583919.32 -21583919.22 0.3818 0.1450

Mercury -63802-12-28 20:37 J -21581895.74 -21581895.64 -21581895.54 0.3819 0.0367

Mercury -63796-07-13 12:42 J -21579872.05 -21579871.97 -21579871.88 0.3819 0.2161

Mercury -63770-09-02 14:09 J -21570325.05 -21570324.91 -21570324.76 0.3561 0.1480

Mercury -63764-03-18 22:18 J -21568300.65 -21568300.57 -21568300.49 0.3560 0.3033

Mercury -63756-07-05 09:49 J -21565270.16 -21565270.09 -21565270.02 0.3818 0.2591

Mercury -63750-01-19 01:54 J -21563246.52 -21563246.42 -21563246.32 0.3818 0.0812

Mercury -63745-08-03 18:13 J -21561222.84 -21561222.74 -21561222.65 0.3819 0.1003

Mercury -63739-02-17 10:18 J -21559199.13 -21559199.07 -21559199.00 0.3819 0.2817

Mercury -63713-04-08 16:18 J -21549651.98 -21549651.82 -21549651.67 0.3561 0.0113

Mercury -63705-07-26 15:21 J -21546620.88 -21546620.86 -21546620.85 0.3817 0.3736

Mercury -63699-02-09 07:25 J -21544597.28 -21544597.19 -21544597.10 0.3818 0.1956

Mercury -63694-08-25 23:30 J -21542573.62 -21542573.52 -21542573.42 0.3819 0.0176

Mercury -63688-03-10 15:49 J -21540549.94 -21540549.84 -21540549.75 0.3819 0.1650

Mercury -63683-09-24 07:54 J -21538526.21 -21538526.17 -21538526.13 0.3819 0.3474

Mercury -63662-04-30 09:49 J -21531003.17 -21531003.09 -21531003.00 0.3561 0.2980

Mercury -63657-11-13 17:59 J -21528978.89 -21528978.75 -21528978.61 0.3561 0.1579

Mercury -63648-03-02 12:57 J -21525948.02 -21525947.96 -21525947.91 0.3818 0.3108

Mercury -63643-09-16 05:01 J -21523924.39 -21523924.29 -21523924.20 0.3818 0.1319

Mercury -63637-03-31 21:06 J -21521900.72 -21521900.62 -21521900.52 0.3819 0.0475

Mercury -63632-10-15 13:11 J -21519877.03 -21519876.95 -21519876.87 0.3819 0.2302

Mercury -63606-12-05 11:45 J -21510330.15 -21510330.01 -21510329.86 0.3561 0.1428

Mercury -63600-06-20 19:54 J -21508305.74 -21508305.67 -21508305.59 0.3560 0.3117

Mercury -63592-10-07 10:18 J -21505275.14 -21505275.07 -21505274.99 0.3818 0.2478

Mercury -63586-04-23 02:23 J -21503251.50 -21503251.40 -21503251.30 0.3819 0.0705

Mercury -63581-11-05 18:42 J -21501227.82 -21501227.72 -21501227.63 0.3819 0.1123

Mercury -63575-05-22 10:47 J -21499204.11 -21499204.05 -21499203.98 0.3819 0.2944

Mercury -63549-07-11 13:54 J -21489657.08 -21489656.92 -21489656.77 0.3561 0.0160

Mercury -63541-10-28 15:49 J -21486625.87 -21486625.84 -21486625.81 0.3817 0.3624

Mercury -63535-05-14 07:54 J -21484602.26 -21484602.17 -21484602.08 0.3818 0.1845

Mercury -63530-11-27 23:59 J -21482578.60 -21482578.50 -21482578.40 0.3819 0.0081

Mercury -63524-06-12 16:18 J -21480554.91 -21480554.82 -21480554.73 0.3819 0.1777

Mercury -63519-12-27 08:23 J -21478531.18 -21478531.15 -21478531.12 0.3819 0.3600

Mercury -63498-08-02 07:25 J -21471008.28 -21471008.19 -21471008.10 0.3561 0.2916

Mercury -63492-02-15 15:49 J -21468983.98 -21468983.84 -21468983.70 0.3561 0.1687

Mercury -63484-06-04 13:25 J -21465953.00 -21465952.94 -21465952.88 0.3817 0.2994

Mercury -63479-12-19 05:30 J -21463929.37 -21463929.27 -21463929.18 0.3818 0.1208

Mercury -63473-07-03 21:35 J -21461905.70 -21461905.60 -21461905.50 0.3819 0.0606

Mercury -63467-01-17 13:54 J -21459882.00 -21459881.92 -21459881.85 0.3819 0.2429

Mercury -63441-03-08 09:35 J -21450335.25 -21450335.10 -21450334.96 0.3561 0.1344

Mercury -63436-09-22 17:45 J -21448310.82 -21448310.76 -21448310.70 0.3561 0.3230

Mercury -63427-01-09 11:01 J -21445280.12 -21445280.04 -21445279.96 0.3818 0.2360

Mercury -63422-07-26 03:06 J -21443256.47 -21443256.37 -21443256.27 0.3818 0.0570

Mercury -63416-02-07 19:11 J -21441232.79 -21441232.70 -21441232.60 0.3819 0.1262

Mercury -63411-08-24 11:30 J -21439209.08 -21439209.02 -21439208.97 0.3819 0.3089

Mercury -63385-10-13 11:30 J -21429662.18 -21429662.02 -21429661.87 0.3561 0.0222

Mercury -63376-01-30 16:18 J -21426630.85 -21426630.82 -21426630.78 0.3817 0.3509

Mercury -63371-08-16 08:23 J -21424607.24 -21424607.15 -21424607.06 0.3818 0.1727

Mercury -63365-03-01 00:42 J -21422583.58 -21422583.47 -21422583.37 0.3819 0.0170

Mercury -63360-09-14 16:47 J -21420559.89 -21420559.80 -21420559.71 0.3819 0.1912

Mercury -63354-03-31 08:52 J -21418536.14 -21418536.13 -21418536.11 0.3819 0.3745

Mercury -63334-11-04 05:01 J -21411013.38 -21411013.29 -21411013.20 0.3562 0.2882

Mercury -63328-05-20 13:25 J -21408989.08 -21408988.94 -21408988.80 0.3561 0.1769

Mercury -63320-09-06 13:54 J -21405957.98 -21405957.92 -21405957.85 0.3817 0.2874

Mercury -63314-03-23 05:59 J -21403934.34 -21403934.25 -21403934.15 0.3818 0.1084

Mercury -63309-10-05 22:18 J -21401910.67 -21401910.57 -21401910.48 0.3819 0.0759

Mercury -63303-04-21 14:23 J -21399886.98 -21399886.90 -21399886.83 0.3819 0.2561

Mercury -63277-06-10 06:57 J -21390340.35 -21390340.21 -21390340.06 0.3561 0.1302

Mercury -63272-12-25 15:21 J -21388315.91 -21388315.86 -21388315.81 0.3561 0.3328

Mercury -63263-04-13 11:30 J -21385285.10 -21385285.02 -21385284.94 0.3818 0.2243

Mercury -63258-10-28 03:35 J -21383261.45 -21383261.35 -21383261.25 0.3818 0.0435

Mercury -63252-05-12 19:40 J -21381237.77 -21381237.68 -21381237.58 0.3819 0.1383

Mercury -63247-11-26 11:59 J -21379214.06 -21379214.00 -21379213.95 0.3819 0.3221

Mercury -63220-01-15 09:06 J -21369667.28 -21369667.12 -21369666.96 0.3561 0.0296

Mercury -63212-05-04 17:01 J -21366635.84 -21366635.79 -21366635.75 0.3817 0.3404

Mercury -63207-11-18 09:06 J -21364612.21 -21364612.12 -21364612.03 0.3818 0.1608

Mercury -63201-06-03 01:11 J -21362588.55 -21362588.45 -21362588.35 0.3818 0.0224

Mercury -63196-12-17 17:16 J -21360564.86 -21360564.78 -21360564.69 0.3819 0.2037

Mercury -63169-02-06 02:37 J -21351018.48 -21351018.39 -21351018.29 0.3562 0.2810

Mercury -63164-08-22 11:16 J -21348994.17 -21348994.03 -21348993.90 0.3561 0.1882

Mercury -63156-12-09 14:23 J -21345962.96 -21345962.90 -21345962.83 0.3817 0.2765

Mercury -63150-06-25 06:28 J -21343939.32 -21343939.23 -21343939.13 0.3818 0.0968

Mercury -63144-01-07 22:47 J -21341915.65 -21341915.55 -21341915.46 0.3818 0.0875

Mercury -63139-07-24 14:52 J -21339891.95 -21339891.88 -21339891.81 0.3819 0.2699

Mercury -63113-09-12 04:47 J -21330345.45 -21330345.30 -21330345.15 0.3562 0.1216

Mercury -63107-03-29 13:11 J -21328320.99 -21328320.95 -21328320.92 0.3561 0.3444

Mercury -63099-07-16 11:59 J -21325290.08 -21325290.00 -21325289.91 0.3817 0.2121

Mercury -63093-01-30 04:04 J -21323266.43 -21323266.33 -21323266.23 0.3818 0.0331

Mercury -63088-08-14 20:09 J -21321242.75 -21321242.66 -21321242.56 0.3819 0.1530

Mercury -63082-02-28 12:28 J -21319219.03 -21319218.98 -21319218.94 0.3819 0.3366

Mercury -63056-04-19 06:42 J -21309672.38 -21309672.22 -21309672.06 0.3561 0.0384

Mercury -63048-08-06 17:30 J -21306640.82 -21306640.77 -21306640.72 0.3817 0.3279

Mercury -63042-02-20 09:35 J -21304617.19 -21304617.10 -21304617.01 0.3818 0.1471

Mercury -63037-09-05 01:40 J -21302593.53 -21302593.43 -21302593.33 0.3818 0.0353

Mercury -63031-03-21 17:45 J -21300569.84 -21300569.76 -21300569.67 0.3819 0.2181

Mercury -63005-05-10 00:13 J -21291023.59 -21291023.49 -21291023.39 0.3562 0.2763

63RD MILLENNIUM BCE

This is a list of transits visible from Venus in the 63rd millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-63000-11-24 08:37 J	-21288999.27	-21288999.14	-21288999.01	0.3561	0.1944		
Mercury	-62991-03-13 15:06 J	-21285967.94	-21285967.87	-21285967.80	0.3817	0.2638		
Mercury	-62986-09-27 07:11 J	-21283944.30	-21283944.20	-21283944.10	0.3818	0.0825		
Mercury	-62980-04-11 23:16 J	-21281920.63	-21281920.53	-21281920.43	0.3819	0.0998		
Mercury	-62975-10-26 15:21 J	-21279896.92	-21279896.86	-21279896.79	0.3819	0.2841		
Mercury	-62949-12-15 02:23 J	-21270350.55	-21270350.40	-21270350.25	0.3562	0.1153		
Mercury	-62943-07-01 10:33 J	-21268326.07	-21268326.06	-21268326.04	0.3561	0.3527		

Mercury -62940-04-03 20:37 J -21267318.65 -21267318.64 -21267318.64 0.3816 0.3804

Mercury -62935-10-18 12:42 J -21265295.06 -21265294.97 -21265294.89 0.3817 0.1998

Mercury -62929-05-03 04:33 J -21263271.41 -21263271.31 -21263271.20 0.3818 0.0244

Mercury -62924-11-16 20:52 J -21261247.72 -21261247.63 -21261247.54 0.3819 0.1659

Mercury -62918-06-02 12:57 J -21259224.00 -21259223.96 -21259223.92 0.3819 0.3503

Mercury -62892-07-22 04:18 J -21249677.48 -21249677.32 -21249677.16 0.3561 0.0459

Mercury -62884-11-08 17:59 J -21246645.80 -21246645.75 -21246645.69 0.3817 0.3163

Mercury -62878-05-25 10:04 J -21244622.17 -21244622.08 -21244621.98 0.3817 0.1356

Mercury -62873-12-08 02:09 J -21242598.51 -21242598.41 -21242598.31 0.3818 0.0477

Mercury -62867-06-23 18:28 J -21240574.81 -21240574.73 -21240574.66 0.3819 0.2323

Mercury -62841-08-11 21:49 J -21231028.69 -21231028.59 -21231028.49 0.3562 0.2682

Mercury -62835-02-26 06:28 J -21229004.36 -21229004.23 -21229004.10 0.3561 0.2058

Mercury -62827-06-15 15:35 J -21225972.92 -21225972.85 -21225972.77 0.3817 0.2517

Mercury -62822-12-30 07:40 J -21223949.28 -21223949.18 -21223949.08 0.3818 0.0704

Mercury -62816-07-14 23:45 J -21221925.61 -21221925.51 -21221925.41 0.3818 0.1134

Mercury -62810-01-28 15:49 J -21219901.90 -21219901.84 -21219901.77 0.3819 0.2988

Mercury -62784-03-18 23:59 J -21210355.65 -21210355.50 -21210355.35 0.3562 0.1063

Mercury -62776-07-06 21:06 J -21207323.64 -21207323.62 -21207323.60 0.3816 0.3679

Mercury -62770-01-20 13:11 J -21205300.04 -21205299.95 -21205299.86 0.3817 0.1869

Mercury -62765-08-05 05:16 J -21203276.38 -21203276.28 -21203276.18 0.3818 0.0088

Mercury -62759-02-18 21:21 J -21201252.70 -21201252.61 -21201252.52 0.3818 0.1799

Mercury -62754-09-04 13:25 J -21199228.96 -21199228.94 -21199228.91 0.3819 0.3652

Mercury -62728-10-24 01:54 J -21189682.58 -21189682.42 -21189682.26 0.3562 0.0529

Mercury -62719-02-10 18:42 J -21186650.78 -21186650.72 -21186650.66 0.3816 0.3034

Mercury -62714-08-27 10:47 J -21184627.15 -21184627.05 -21184626.96 0.3817 0.1229

Mercury -62708-03-12 02:52 J -21182603.48 -21182603.38 -21182603.28 0.3818 0.0625

Mercury -62703-09-25 18:57 J -21180579.79 -21180579.71 -21180579.64 0.3819 0.2463

Mercury -62677-11-13 19:25 J -21171033.80 -21171033.69 -21171033.59 0.3562 0.2644

Mercury -62671-05-31 03:49 J -21169009.46 -21169009.34 -21169009.21 0.3561 0.2136

Mercury -62663-09-17 16:18 J -21165977.90 -21165977.82 -21165977.75 0.3816 0.2391

Mercury -62657-04-02 08:09 J -21163954.26 -21163954.16 -21163954.06 0.3818 0.0581

Mercury -62652-10-17 00:13 J -21161930.58 -21161930.49 -21161930.39 0.3818 0.1284

Mercury -62646-05-02 16:18 J -21159906.87 -21159906.82 -21159906.76 0.3819 0.3125

Mercury -62620-06-20 21:21 J -21150360.76 -21150360.61 -21150360.45 0.3562 0.1013

Mercury -62612-10-08 21:35 J -21147328.63 -21147328.60 -21147328.56 0.3816 0.3561

Mercury -62606-04-24 13:40 J -21145305.02 -21145304.93 -21145304.84 0.3817 0.1751

Mercury -62601-11-07 05:45 J -21143281.36 -21143281.26 -21143281.16 0.3818 0.0093

Mercury -62595-05-23 21:49 J -21141257.68 -21141257.59 -21141257.50 0.3818 0.1928

Mercury -62590-12-07 13:54 J -21139233.93 -21139233.92 -21139233.91 0.3819 0.3790

Mercury -62563-01-25 23:30 J -21129687.68 -21129687.52 -21129687.36 0.3562 0.0623

Mercury -62555-05-15 19:11 J -21126655.76 -21126655.70 -21126655.64 0.3816 0.2922

Mercury -62550-11-29 11:16 J -21124632.13 -21124632.03 -21124631.94 0.3817 0.1099

Mercury -62544-06-14 03:21 J -21122608.46 -21122608.36 -21122608.26 0.3818 0.0748

Mercury -62539-12-28 19:25 J -21120584.76 -21120584.69 -21120584.62 0.3819 0.2596

Mercury -62512-02-15 17:01 J -21111038.90 -21111038.79 -21111038.68 0.3563 0.2565

Mercury -62507-09-02 01:40 J -21109014.56 -21109014.43 -21109014.31 0.3562 0.2248

Mercury -62499-12-20 16:47 J -21105982.88 -21105982.80 -21105982.72 0.3816 0.2276

Mercury -62493-07-05 08:52 J -21103959.23 -21103959.13 -21103959.03 0.3817 0.0454

Mercury -62487-01-19 00:57 J -21101935.56 -21101935.46 -21101935.37 0.3818 0.1414

Mercury -62482-08-04 17:01 J -21099911.84 -21099911.79 -21099911.74 0.3819 0.3267

Mercury -62456-09-22 18:57 J -21090365.86 -21090365.71 -21090365.55 0.3562 0.0931

Mercury -62447-01-10 22:18 J -21087333.61 -21087333.57 -21087333.53 0.3815 0.3441

Mercury -62442-07-27 14:09 J -21085310.00 -21085309.91 -21085309.81 0.3817 0.1628

Mercury -62436-02-09 06:28 J -21083286.34 -21083286.23 -21083286.13 0.3817 0.0289

Mercury -62431-08-25 22:18 J -21081262.65 -21081262.57 -21081262.48 0.3818 0.2083

Mercury -62399-04-29 21:06 J -21069692.78 -21069692.62 -21069692.46 0.3562 0.0705

Mercury -62391-08-17 19:40 J -21066660.74 -21066660.68 -21066660.61 0.3816 0.2796

Mercury -62385-03-02 11:45 J -21064637.10 -21064637.01 -21064636.91 0.3817 0.0962

Mercury -62380-09-16 03:49 J -21062613.44 -21062613.34 -21062613.24 0.3818 0.0891

Mercury -62374-04-01 19:54 J -21060589.74 -21060589.67 -21060589.60 0.3819 0.2743

Mercury -62348-05-20 14:23 J -21051044.01 -21051043.90 -21051043.79 0.3563 0.2513

Mercury -62343-12-04 23:01 J -21049019.66 -21049019.54 -21049019.42 0.3562 0.2326

Mercury -62334-03-24 17:16 J -21045987.86 -21045987.78 -21045987.70 0.3816 0.2144

Mercury -62329-10-07 09:21 J -21043964.21 -21043964.11 -21043964.01 0.3817 0.0299

Mercury -62323-04-23 01:25 J -21041940.53 -21041940.44 -21041940.35 0.3818 0.1545

Mercury -62318-11-06 17:30 J -21039916.81 -21039916.77 -21039916.73 0.3819 0.3413

Mercury -62292-12-25 16:33 J -21030370.97 -21030370.81 -21030370.66 0.3563 0.0859

Mercury -62283-04-14 22:47 J -21027338.60 -21027338.55 -21027338.50 0.3815 0.3321

Mercury -62278-10-29 14:52 J -21025314.97 -21025314.88 -21025314.79 0.3816 0.1486

Mercury -62272-05-14 06:57 J -21023291.31 -21023291.21 -21023291.11 0.3817 0.0392

Mercury -62267-11-27 23:01 J -21021267.63 -21021267.54 -21021267.46 0.3818 0.2221

Mercury -62235-08-01 18:42 J -21009697.88 -21009697.72 -21009697.57 0.3562 0.0798

Mercury -62227-11-19 20:23 J -21006665.72 -21006665.65 -21006665.58 0.3815 0.2673

Mercury -62221-06-04 12:13 J -21004642.08 -21004641.99 -21004641.89 0.3816 0.0849

Mercury -62216-12-19 04:18 J -21002618.41 -21002618.32 -21002618.22 0.3817 0.1020

Mercury -62210-07-04 20:23 J -21000594.71 -21000594.65 -21000594.58 0.3818 0.2894

Mercury -62184-08-22 11:59 J -20991049.11 -20991049.00 -20991048.88 0.3563 0.2428

Mercury -62178-03-08 20:52 J -20989024.75 -20989024.63 -20989024.52 0.3562 0.2449

Mercury -62170-06-26 17:45 J -20985992.84 -20985992.76 -20985992.67 0.3816 0.2017

Mercury -62164-01-09 09:49 J -20983969.19 -20983969.09 -20983968.99 0.3817 0.0187

Mercury -62159-07-26 01:54 J -20981945.51 -20981945.42 -20981945.33 0.3818 0.1691

Mercury -62153-02-08 17:59 J -20979921.78 -20979921.75 -20979921.71 0.3818 0.3568

Mercury -62127-03-29 14:09 J -20970376.07 -20970375.91 -20970375.75 0.3563 0.0770

Mercury -62119-07-17 23:16 J -20967343.58 -20967343.53 -20967343.47 0.3815 0.3196

Mercury -62113-01-31 15:21 J -20965319.95 -20965319.86 -20965319.76 0.3816 0.1352

Mercury -62108-08-16 07:25 J -20963296.29 -20963296.19 -20963296.09 0.3817 0.0495

Mercury -62102-03-01 23:30 J -20961272.60 -20961272.52 -20961272.44 0.3818 0.2366

Mercury -62071-11-03 16:04 J -20949702.98 -20949702.83 -20949702.67 0.3563 0.0871

Mercury -62062-02-21 20:52 J -20946670.70 -20946670.63 -20946670.55 0.3815 0.2536

Mercury -62057-09-06 12:57 J -20944647.06 -20944646.96 -20944646.86 0.3816 0.0692

Mercury -62051-03-23 05:01 J -20942623.39 -20942623.29 -20942623.20 0.3817 0.1169

Mercury -62046-10-06 21:06 J -20940599.68 -20940599.62 -20940599.56 0.3818 0.3041

Mercury -62020-11-24 09:21 J -20931054.23 -20931054.11 -20931053.99 0.3564 0.2391

Mercury -62014-06-10 18:13 J -20929029.85 -20929029.74 -20929029.63 0.3562 0.2525

Mercury -62011-03-15 02:23 J -20928021.42 -20928021.40 -20928021.38 0.3814 0.3718

Mercury -62006-09-28 18:28 J -20925997.82 -20925997.73 -20925997.64 0.3815 0.1874

62ND MILLENNIUM BCE

This is a list of transits visible from Venus in the 62nd millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-62000-04-13 10:18 J	-20923974.17	-20923974.07	-20923973.96	0.3817	0.0165		
Mercury	-61995-10-28 02:23 J	-20921950.48	-20921950.40	-20921950.31	0.3818	0.1844		
Mercury	-61989-05-12 18:28 J	-20919926.75	-20919926.73	-20919926.71	0.3818	0.3705		
Mercury	-61963-07-01 11:30 J	-20910381.17	-20910381.02	-20910380.86	0.3563	0.0711		
Mercury	-61955-10-19 23:59 J	-20907348.56	-20907348.50	-20907348.44	0.3815	0.3064		
Mercury	-61949-05-04 15:49 J	-20905324.93	-20905324.84	-20905324.74	0.3816	0.1234		
Mercury	-61944-11-18 07:54 J	-20903301.27	-20903301.17	-20903301.07	0.3817	0.0640		
Mercury	-61938-06-03 23:59 J	-20901277.57	-20901277.50	-20901277.42	0.3818	0.2504		
Mercury	-61906-02-05 13:40 J	-20889708.08	-20889707.93	-20889707.77	0.3563	0.0979		
Mercury	-61898-05-26 21:21 J	-20886675.68	-20886675.61	-20886675.53	0.3815	0.2416		
Mercury	-61893-12-09 13:25 J	-20884652.04	-20884651.94	-20884651.84	0.3816	0.0562		
Mercury	-61887-06-25 05:30 J	-20882628.36	-20882628.27	-20882628.18	0.3817	0.1309		

Mercury -61881-01-08 21:35 J -20880604.66 -20880604.60 -20880604.55 0.3818 0.3179

Mercury -61855-02-26 06:57 J -20871059.33 -20871059.21 -20871059.09 0.3564 0.2302

Mercury -61850-09-12 15:49 J -20869034.94 -20869034.84 -20869034.73 0.3563 0.2643

Mercury -61847-06-17 03:06 J -20868026.41 -20868026.37 -20868026.34 0.3814 0.3596

Mercury -61842-12-31 18:57 J -20866002.80 -20866002.71 -20866002.62 0.3815 0.1752

Mercury -61836-07-16 11:01 J -20863979.14 -20863979.04 -20863978.94 0.3816 0.0125

Mercury -61830-01-30 03:06 J -20861955.46 -20861955.37 -20861955.29 0.3817 0.1983

Mercury -61799-10-03 09:06 J -20850386.28 -20850386.12 -20850385.96 0.3564 0.0622

Mercury -61790-01-22 00:28 J -20847353.54 -20847353.48 -20847353.42 0.3814 0.2935

Mercury -61785-08-06 16:33 J -20845329.91 -20845329.81 -20845329.72 0.3815 0.1089

Mercury -61779-02-20 08:37 J -20843306.24 -20843306.14 -20843306.05 0.3817 0.0795

Mercury -61774-09-06 00:28 J -20841282.55 -20841282.48 -20841282.40 0.3817 0.2663

Mercury -61742-05-10 11:16 J -20829713.18 -20829713.03 -20829712.88 0.3563 0.1058

Mercury -61734-08-28 22:04 J -20826680.66 -20826680.58 -20826680.50 0.3814 0.2274

Mercury -61728-03-13 13:54 J -20824657.02 -20824656.92 -20824656.82 0.3816 0.0454

Mercury -61723-09-27 05:59 J -20822633.34 -20822633.25 -20822633.15 0.3817 0.1462

Mercury -61717-04-11 22:04 J -20820609.63 -20820609.58 -20820609.53 0.3818 0.3330

Mercury -61691-05-31 04:33 J -20811064.44 -20811064.31 -20811064.19 0.3564 0.2246

Mercury -61686-12-15 13:11 J -20809040.05 -20809039.95 -20809039.84 0.3563 0.2729

Mercury -61683-09-19 03:35 J -20808031.39 -20808031.35 -20808031.31 0.3813 0.3459

Mercury -61677-04-03 19:25 J -20806007.78 -20806007.69 -20806007.59 0.3815 0.1625

Mercury -61672-10-18 11:30 J -20803984.12 -20803984.02 -20803983.92 0.3816 0.0271

Mercury -61666-05-04 03:35 J -20801960.43 -20801960.35 -20801960.27 0.3817 0.2122

Mercury -61634-01-05 06:42 J -20790391.38 -20790391.22 -20790391.07 0.3564 0.0546

Mercury -61626-04-26 00:57 J -20787358.52 -20787358.46 -20787358.39 0.3814 0.2813

Mercury -61621-11-08 17:01 J -20785334.89 -20785334.79 -20785334.69 0.3815 0.0950

Mercury -61615-05-25 09:06 J -20783311.22 -20783311.12 -20783311.03 0.3816 0.0923

Mercury -61610-12-09 01:11 J -20781287.52 -20781287.45 -20781287.39 0.3817 0.2804

Mercury -61578-08-12 08:52 J -20769718.28 -20769718.13 -20769717.98 0.3563 0.1160

Mercury -61570-11-30 22:33 J -20766685.64 -20766685.56 -20766685.48 0.3814 0.2148

Mercury -61564-06-15 14:37 J -20764661.99 -20764661.89 -20764661.79 0.3815 0.0292

Mercury -61559-12-30 06:28 J -20762638.32 -20762638.23 -20762638.13 0.3817 0.1599

Mercury -61553-07-14 22:33 J -20760614.59 -20760614.56 -20760614.52 0.3818 0.3490

Mercury -61527-09-02 01:54 J -20751069.54 -20751069.42 -20751069.29 0.3565 0.2154

Mercury -61521-03-18 11:01 J -20749045.14 -20749045.04 -20749044.95 0.3563 0.2847

Mercury -61519-12-22 04:04 J -20748036.37 -20748036.33 -20748036.28 0.3813 0.3338

Mercury -61513-07-06 20:09 J -20746012.75 -20746012.66 -20746012.57 0.3814 0.1476

Mercury -61507-01-20 11:59 J -20743989.10 -20743989.00 -20743988.90 0.3816 0.0431

Mercury -61502-08-06 04:04 J -20741965.41 -20741965.33 -20741965.25 0.3817 0.2274

Mercury -61470-04-09 04:04 J -20730396.48 -20730396.33 -20730396.17 0.3564 0.0459

Mercury -61462-07-29 01:40 J -20727363.50 -20727363.43 -20727363.36 0.3813 0.2673

Mercury -61456-02-10 17:45 J -20725339.86 -20725339.76 -20725339.67 0.3815 0.0819

Mercury -61451-08-27 09:35 J -20723316.19 -20723316.10 -20723316.00 0.3816 0.1070

Mercury -61445-03-12 01:40 J -20721292.49 -20721292.43 -20721292.37 0.3817 0.2958

Mercury -61414-11-14 06:13 J -20709723.39 -20709723.24 -20709723.09 0.3564 0.1228

Mercury -61405-03-03 23:16 J -20706690.62 -20706690.53 -20706690.45 0.3814 0.2008

Mercury -61400-09-17 15:06 J -20704666.97 -20704666.87 -20704666.77 0.3815 0.0152

Mercury -61394-04-03 07:11 J -20702643.29 -20702643.20 -20702643.11 0.3816 0.1745

Mercury -61389-10-16 23:16 J -20700619.56 -20700619.53 -20700619.51 0.3817 0.3646

Mercury -61363-12-04 23:16 J -20691074.65 -20691074.53 -20691074.40 0.3565 0.2107

Mercury -61357-06-20 08:23 J -20689050.24 -20689050.15 -20689050.06 0.3563 0.2927

Mercury -61354-03-26 04:47 J -20688041.36 -20688041.30 -20688041.25 0.3813 0.3205

Mercury -61349-10-08 20:37 J -20686017.73 -20686017.64 -20686017.54 0.3814 0.1338

Mercury -61343-04-24 12:42 J -20683994.07 -20683993.97 -20683993.87 0.3816 0.0545

Mercury -61338-11-08 04:47 J -20681970.38 -20681970.30 -20681970.23 0.3817 0.2429

Mercury -61306-07-12 01:40 J -20670401.59 -20670401.43 -20670401.27 0.3565 0.0396

Mercury -61298-10-31 02:09 J -20667368.48 -20667368.41 -20667368.33 0.3813 0.2540

Mercury -61292-05-15 18:13 J -20665344.84 -20665344.74 -20665344.64 0.3815 0.0682

Mercury -61287-11-29 10:04 J -20663321.17 -20663321.08 -20663320.98 0.3816 0.1220

Mercury -61281-06-14 02:09 J -20661297.46 -20661297.41 -20661297.35 0.3817 0.3108

Mercury -61249-02-16 03:49 J -20649728.49 -20649728.34 -20649728.19 0.3564 0.1337

Mercury -61247-11-21 07:40 J -20648719.19 -20648719.18 -20648719.16 0.3812 0.3737

Mercury -61241-06-05 23:45 J -20646695.60 -20646695.51 -20646695.42 0.3813 0.1874

Mercury -61236-12-20 15:35 J -20644671.95 -20644671.85 -20644671.75 0.3815 0.0115

Mercury -61230-07-06 07:40 J -20642648.27 -20642648.18 -20642648.09 0.3816 0.1895

Mercury -61224-01-18 23:45 J -20640624.52 -20640624.51 -20640624.50 0.3817 0.3791

Mercury -61198-03-08 20:52 J -20631079.76 -20631079.63 -20631079.49 0.3565 0.2010

Mercury -61193-09-22 05:59 J -20629055.33 -20629055.25 -20629055.17 0.3564 0.3053

Mercury -61190-06-28 05:16 J -20628046.34 -20628046.28 -20628046.22 0.3812 0.3067

Mercury -61184-01-10 21:21 J -20626022.71 -20626022.61 -20626022.52 0.3814 0.1215

Mercury -61179-07-27 13:11 J -20623999.05 -20623998.95 -20623998.85 0.3815 0.0684

Mercury -61173-02-10 05:16 J -20621975.35 -20621975.28 -20621975.21 0.3816 0.2581

Mercury -61142-10-13 23:01 J -20610406.70 -20610406.54 -20610406.38 0.3565 0.0302

Mercury -61133-02-02 02:52 J -20607373.46 -20607373.38 -20607373.31 0.3812 0.2399

Mercury -61128-08-17 18:42 J -20605349.82 -20605349.72 -20605349.62 0.3814 0.0527

Mercury -61122-03-03 10:47 J -20603326.15 -20603326.05 -20603325.96 0.3816 0.1370

Mercury -61117-09-16 02:52 J -20601302.43 -20601302.38 -20601302.33 0.3817 0.3270

Mercury -61085-05-20 01:11 J -20589733.60 -20589733.45 -20589733.30 0.3565 0.1423

Mercury -61082-02-23 08:23 J -20588724.18 -20588724.15 -20588724.12 0.3811 0.3596

Mercury -61077-09-08 00:13 J -20586700.58 -20586700.49 -20586700.40 0.3813 0.1733

Mercury -61071-03-24 16:18 J -20584676.92 -20584676.82 -20584676.72 0.3815 0.0167

Mercury -61066-10-08 08:23 J -20582653.24 -20582653.15 -20582653.07 0.3816 0.2057

Mercury -61034-06-10 18:13 J -20571084.87 -20571084.74 -20571084.60 0.3566 0.1958

Mercury -61029-12-25 03:21 J -20569060.43 -20569060.36 -20569060.29 0.3564 0.3147

Mercury -61026-09-30 05:59 J -20568051.32 -20568051.25 -20568051.19 0.3812 0.2932

Mercury -61020-04-14 21:49 J -20566027.69 -20566027.59 -20566027.50 0.3814 0.1060

Mercury -61015-10-29 13:40 J -20564004.02 -20564003.93 -20564003.83 0.3815 0.0852

Mercury -61009-05-14 05:45 J -20561980.33 -20561980.26 -20561980.19 0.3816 0.2725

61ST MILLENNIUM BCE

This is a list of transits visible from Venus in the 61st millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-60977-01-15 20:23 J	-20550411.81	-20550411.65	-20550411.48	0.3565	0.0236		
Mercury	-60969-05-06 03:21 J	-20547378.44	-20547378.36	-20547378.28	0.3812	0.2270		
Mercury	-60964-11-19 19:11 J	-20545354.80	-20545354.70	-20545354.60	0.3814	0.0418		
Mercury	-60958-06-05 11:16 J	-20543331.12	-20543331.03	-20543330.94	0.3815	0.1509		
Mercury	-60953-12-19 03:21 J	-20541307.41	-20541307.36	-20541307.32	0.3816	0.3414		
Mercury	-60921-08-21 22:47 J	-20529738.69	-20529738.55	-20529738.41	0.3565	0.1540		
Mercury	-60918-05-28 08:52 J	-20528729.17	-20528729.13	-20528729.09	0.3811	0.3471		
Mercury	-60913-12-11 00:57 J	-20526705.56	-20526705.46	-20526705.37	0.3813	0.1604		
Mercury	-60907-06-26 16:47 J	-20524681.90	-20524681.80	-20524681.70	0.3814	0.0302		
Mercury	-60901-01-10 08:52 J	-20522658.21	-20522658.13	-20522658.05	0.3815	0.2198		
Mercury	-60870-09-12 15:49 J	-20511089.98	-20511089.84	-20511089.70	0.3567	0.1864		
Mercury	-60864-03-29 00:57 J	-20509065.52	-20509065.46	-20509065.40	0.3564	0.3268		
Mercury	-60861-01-02 06:28 J	-20508056.30	-20508056.23	-20508056.17	0.3811	0.2802		
Mercury	-60856-07-17 22:18 J	-20506032.67	-20506032.57	-20506032.47	0.3813	0.0914		
Mercury	-60850-01-31 14:23 J	-20504009.00	-20504008.90	-20504008.81	0.3814	0.0985		
Mercury	-60845-08-16 06:13 J	-20501985.30	-20501985.24	-20501985.17	0.3816	0.2886		
Mercury	-60813-04-18 17:59 J	-20490416.91	-20490416.75	-20490416.59	0.3566	0.0121		
Mercury	-60805-08-08 03:49 J	-20487383.42	-20487383.34	-20487383.25	0.3812	0.2130		
Mercury	-60799-02-21 19:54 J	-20485359.77	-20485359.67	-20485359.57	0.3813	0.0229		
Mercury	-60794-09-07 11:45 J	-20483336.10	-20483336.01	-20483335.92	0.3815	0.1676		

Mercury -60788-03-23 03:49 J -20481312.37 -20481312.34 -20481312.31 0.3816 0.3577

Mercury -60762-05-10 11:01 J -20471768.05 -20471768.04 -20471768.03 0.3568 0.3552

Mercury -60757-11-23 20:09 J -20469743.80 -20469743.66 -20469743.52 0.3565 0.1610

Mercury -60754-08-30 09:35 J -20468734.15 -20468734.10 -20468734.06 0.3810 0.3330

Mercury -60748-03-15 01:25 J -20466710.53 -20466710.44 -20466710.35 0.3812 0.1443

Mercury -60743-09-28 17:30 J -20464686.87 -20464686.77 -20464686.68 0.3814 0.0485

Mercury -60737-04-13 09:21 J -20462663.19 -20462663.11 -20462663.03 0.3815 0.2352

Mercury -60706-12-15 13:11 J -20451095.09 -20451094.95 -20451094.81 0.3567 0.1800

Mercury -60700-06-30 22:18 J -20449070.62 -20449070.57 -20449070.52 0.3565 0.3354

Mercury -60697-04-05 06:57 J -20448061.28 -20448061.21 -20448061.14 0.3811 0.2660

Mercury -60692-10-19 23:01 J -20446037.64 -20446037.54 -20446037.44 0.3813 0.0770

Mercury -60686-05-05 14:52 J -20444013.98 -20444013.88 -20444013.78 0.3814 0.1126

Mercury -60681-11-18 06:57 J -20441990.27 -20441990.21 -20441990.15 0.3816 0.3043

Mercury -60649-07-21 15:21 J -20430422.02 -20430421.86 -20430421.70 0.3566 0.0086

Mercury -60641-11-10 04:33 J -20427388.40 -20427388.31 -20427388.23 0.3812 0.1982

Mercury -60635-05-26 20:23 J -20425364.75 -20425364.65 -20425364.55 0.3813 0.0094

Mercury -60630-12-10 12:28 J -20423341.07 -20423340.98 -20423340.90 0.3815 0.1823

Mercury -60624-06-25 04:18 J -20421317.33 -20421317.32 -20421317.30 0.3816 0.3735

Mercury -60598-08-12 08:23 J -20411773.18 -20411773.15 -20411773.11 0.3568 0.3473

Mercury -60592-02-25 17:45 J -20409748.90 -20409748.76 -20409748.62 0.3566 0.1727

Mercury -60590-12-02 10:04 J -20408739.13 -20408739.08 -20408739.03 0.3810 0.3196

Mercury -60584-06-17 01:54 J -20406715.51 -20406715.42 -20406715.32 0.3812 0.1308

Mercury -60579-12-31 17:59 J -20404691.85 -20404691.75 -20404691.65 0.3813 0.0604

Mercury -60573-07-16 09:49 J -20402668.16 -20402668.09 -20402668.01 0.3815 0.2513

Mercury -60541-03-18 10:47 J -20391100.19 -20391100.05 -20391099.91 0.3567 0.1698

Mercury -60536-10-02 19:54 J -20389075.71 -20389075.67 -20389075.64 0.3565 0.3473

Mercury -60533-07-08 07:40 J -20388066.26 -20388066.18 -20388066.11 0.3811 0.2516

Mercury -60527-01-21 23:30 J -20386042.62 -20386042.52 -20386042.42 0.3812 0.0619

Mercury -60522-08-07 15:21 J -20384018.95 -20384018.86 -20384018.76 0.3814 0.1293

Mercury -60516-02-20 07:25 J -20381995.24 -20381995.19 -20381995.14 0.3815 0.3206

Mercury -60485-10-23 12:42 J -20370427.13 -20370426.97 -20370426.80 0.3567 0.0109

Mercury -60482-07-30 13:11 J -20369416.97 -20369416.95 -20369416.94 0.3809 0.3728

Mercury -60476-02-12 05:01 J -20367393.38 -20367393.29 -20367393.20 0.3811 0.1832

Mercury -60471-08-28 21:06 J -20365369.73 -20365369.62 -20365369.52 0.3813 0.0178

Mercury -60465-03-13 12:57 J -20363346.04 -20363345.96 -20363345.87 0.3814 0.1980

Mercury -60434-11-14 05:45 J -20351778.30 -20351778.26 -20351778.22 0.3569 0.3419

Mercury -60428-05-30 15:06 J -20349754.01 -20349753.87 -20349753.74 0.3566 0.1811

Mercury -60425-03-05 10:33 J -20348744.11 -20348744.06 -20348744.00 0.3810 0.3052

Mercury -60420-09-19 02:37 J -20346720.49 -20346720.39 -20346720.30 0.3811 0.1153

Mercury -60414-04-04 18:28 J -20344696.83 -20344696.73 -20344696.63 0.3813 0.0752

Mercury -60409-10-18 10:33 J -20342673.13 -20342673.06 -20342672.99 0.3815 0.2673

Mercury -60377-06-20 07:54 J -20331105.31 -20331105.17 -20331105.02 0.3568 0.1644

Mercury -60369-10-10 08:09 J -20328071.24 -20328071.16 -20328071.08 0.3810 0.2365

Mercury -60363-04-25 23:59 J -20326047.60 -20326047.50 -20326047.40 0.3812 0.0480

Mercury -60358-11-09 16:04 J -20324023.93 -20324023.83 -20324023.74 0.3814 0.1445

Mercury -60352-05-25 07:54 J -20322000.21 -20322000.17 -20322000.12 0.3815 0.3353

Mercury -60320-01-25 10:18 J -20310432.23 -20310432.07 -20310431.91 0.3567 0.0147

Mercury -60318-11-01 13:40 J -20309421.96 -20309421.93 -20309421.90 0.3809 0.3589

Mercury -60312-05-17 05:30 J -20307398.36 -20307398.27 -20307398.18 0.3810 0.1703

Mercury -60307-11-30 21:35 J -20305374.70 -20305374.60 -20305374.50 0.3812 0.0220

Mercury -60301-06-15 13:25 J -20303351.02 -20303350.94 -20303350.85 0.3814 0.2134

Mercury -60269-02-16 03:21 J -20291783.42 -20291783.36 -20291783.31 0.3569 0.3326

Mercury -60264-09-01 12:28 J -20289759.11 -20289758.98 -20289758.84 0.3567 0.1930

Mercury -60261-06-07 11:16 J -20288749.10 -20288749.03 -20288748.97 0.3809 0.2911

Mercury -60256-12-22 03:06 J -20286725.47 -20286725.37 -20286725.27 0.3811 0.1011

Mercury -60250-07-07 18:57 J -20284701.80 -20284701.71 -20284701.61 0.3813 0.0926

Mercury -60244-01-20 11:01 J -20282678.11 -20282678.04 -20282677.97 0.3814 0.2824

Mercury -60213-09-22 05:30 J -20271110.41 -20271110.27 -20271110.12 0.3569 0.1543

Mercury -60204-01-12 08:37 J -20268076.22 -20268076.14 -20268076.06 0.3809 0.2231

Mercury -60199-07-29 00:42 J -20266052.57 -20266052.47 -20266052.37 0.3811 0.0343

Mercury -60193-02-11 16:33 J -20264028.90 -20264028.81 -20264028.72 0.3813 0.1602

Mercury -60188-08-27 08:37 J -20262005.18 -20262005.14 -20262005.11 0.3814 0.3523

Mercury -60156-04-29 07:40 J -20250437.34 -20250437.18 -20250437.02 0.3568 0.0245

Mercury -60153-02-03 14:23 J -20249426.94 -20249426.90 -20249426.86 0.3808 0.3444

Mercury -60148-08-19 06:13 J -20247403.33 -20247403.24 -20247403.15 0.3810 0.1544

Mercury -60142-03-04 22:04 J -20245379.68 -20245379.58 -20245379.48 0.3812 0.0397

Mercury -60137-09-17 14:09 J -20243355.99 -20243355.91 -20243355.83 0.3813 0.2297

Mercury -60105-05-20 00:42 J -20231788.54 -20231788.47 -20231788.41 0.3570 0.3268

Mercury -60100-12-04 09:49 J -20229764.22 -20229764.09 -20229763.96 0.3567 0.2001

Mercury -60097-09-09 11:45 J -20228754.08 -20228754.01 -20228753.94 0.3808 0.2761

Mercury -60091-03-26 03:35 J -20226730.44 -20226730.35 -20226730.25 0.3811 0.0872

Mercury -60086-10-09 19:40 J -20224706.78 -20224706.68 -20224706.58 0.3812 0.1067

Mercury -60080-04-24 11:30 J -20222683.08 -20222683.02 -20222682.96 0.3814 0.2984

Mercury -60049-12-25 02:52 J -20211115.53 -20211115.38 -20211115.23 0.3569 0.1473

Mercury -60040-04-16 09:21 J -20208081.20 -20208081.11 -20208081.03 0.3809 0.2085

Mercury -60035-10-31 01:11 J -20206057.55 -20206057.45 -20206057.35 0.3811 0.0169

Mercury -60029-05-15 17:01 J -20204033.88 -20204033.79 -20204033.70 0.3813 0.1753

Mercury -60024-11-29 09:06 J -20202010.14 -20202010.12 -20202010.10 0.3814 0.3685

60TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 60th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-59992-08-01 05:01 J	-20190442.45	-20190442.29	-20190442.13	0.3568	0.0334		

Mercury -59989-05-07 14:52 J -20189431.93 -20189431.88 -20189431.83 0.3808 0.3306

Mercury -59984-11-21 06:42 J -20187408.31 -20187408.22 -20187408.12 0.3810 0.1397

Mercury -59978-06-06 22:47 J -20185384.65 -20185384.55 -20185384.46 0.3811 0.0550

Mercury -59973-12-20 14:37 J -20183360.97 -20183360.89 -20183360.82 0.3813 0.2447

Mercury -59941-08-21 22:04 J -20171793.65 -20171793.58 -20171793.51 0.3570 0.3173

Mercury -59935-03-08 07:25 J -20169769.32 -20169769.19 -20169769.06 0.3568 0.2132

Mercury -59933-12-12 12:13 J -20168759.06 -20168758.99 -20168758.91 0.3808 0.2628

Mercury -59927-06-28 04:18 J -20166735.42 -20166735.32 -20166735.22 0.3810 0.0706

Mercury -59921-01-11 20:09 J -20164711.75 -20164711.66 -20164711.56 0.3812 0.1215

Mercury -59916-07-27 12:13 J -20162688.05 -20162687.99 -20162687.94 0.3814 0.3154

Mercury -59884-03-29 00:13 J -20151120.63 -20151120.49 -20151120.34 0.3570 0.1376

Mercury -59876-07-19 09:49 J -20148086.17 -20148086.09 -20148086.00 0.3809 0.1929

Mercury -59870-02-02 01:40 J -20146062.53 -20146062.43 -20146062.33 0.3810 0.0160

Mercury -59865-08-17 17:45 J -20144038.85 -20144038.76 -20144038.68 0.3812 0.1917

Mercury -59828-11-03 02:23 J -20130447.56 -20130447.40 -20130447.24 0.3569 0.0411

Mercury -59825-08-09 15:21 J -20129436.91 -20129436.86 -20129436.80 0.3807 0.3160

Mercury -59819-02-23 07:25 J -20127413.29 -20127413.19 -20127413.10 0.3809 0.1240

Mercury -59814-09-08 23:16 J -20125389.63 -20125389.53 -20125389.43 0.3811 0.0684

Mercury -59808-03-24 15:06 J -20123365.94 -20123365.87 -20123365.79 0.3813 0.2620

Mercury -59777-11-23 19:25 J -20111798.77 -20111798.69 -20111798.62 0.3571 0.3125

Mercury -59771-06-10 04:47 J -20109774.43 -20109774.30 -20109774.18 0.3568 0.2219

Mercury -59768-03-16 12:57 J -20108764.03 -20108763.96 -20108763.88 0.3808 0.2465

Mercury -59763-09-30 04:47 J -20106740.40 -20106740.30 -20106740.20 0.3810 0.0555

Mercury -59757-04-14 20:37 J -20104716.73 -20104716.64 -20104716.54 0.3812 0.1389

Mercury -59752-10-29 12:42 J -20102693.02 -20102692.97 -20102692.92 0.3813 0.3321

Mercury -59720-06-30 21:35 J -20091125.75 -20091125.60 -20091125.45 0.3570 0.1310

Mercury -59717-04-06 18:28 J -20090114.75 -20090114.73 -20090114.71 0.3806 0.3697

Mercury -59712-10-21 10:33 J -20088091.15 -20088091.06 -20088090.98 0.3808 0.1781

Mercury -59706-05-07 02:23 J -20086067.50 -20086067.40 -20086067.30 0.3810 0.0184

Mercury -59701-11-19 18:13 J -20084043.82 -20084043.74 -20084043.66 0.3812 0.2076

Mercury -59663-02-04 23:59 J -20070452.66 -20070452.50 -20070452.34 0.3569 0.0524

Mercury -59661-11-11 16:04 J -20069441.89 -20069441.83 -20069441.77 0.3807 0.3009

Mercury -59655-05-28 07:54 J -20067418.27 -20067418.17 -20067418.07 0.3809 0.1094

Mercury -59650-12-11 23:45 J -20065394.61 -20065394.51 -20065394.41 0.3811 0.0843

Mercury -59644-06-26 15:49 J -20063370.91 -20063370.84 -20063370.78 0.3812 0.2782

Mercury -59612-02-25 16:47 J -20051803.88 -20051803.80 -20051803.72 0.3571 0.3027

Mercury -59607-09-12 02:09 J -20049779.53 -20049779.41 -20049779.29 0.3569 0.2342

Mercury -59604-06-18 13:25 J -20048769.02 -20048768.94 -20048768.86 0.3807 0.2322

Mercury -59598-01-02 05:16 J -20046745.38 -20046745.28 -20046745.18 0.3809 0.0432

Mercury -59593-07-17 21:21 J -20044721.70 -20044721.61 -20044721.52 0.3811 0.1542

Mercury -59587-01-31 13:11 J -20042697.99 -20042697.95 -20042697.91 0.3813 0.3483

Mercury -59556-10-02 19:11 J -20031130.86 -20031130.70 -20031130.55 0.3571 0.1210

Mercury -59553-07-09 19:11 J -20030119.74 -20030119.70 -20030119.67 0.3805 0.3547

Mercury -59547-01-23 11:01 J -20028096.13 -20028096.04 -20028095.95 0.3807 0.1628

Mercury -59542-08-09 02:52 J -20026072.48 -20026072.38 -20026072.28 0.3810 0.0308

Mercury -59536-02-21 18:57 J -20024048.79 -20024048.71 -20024048.63 0.3811 0.2252

Mercury -59499-05-09 21:21 J -20010457.77 -20010457.61 -20010457.45 0.3570 0.0617

Mercury -59496-02-13 16:33 J -20009446.87 -20009446.81 -20009446.74 0.3806 0.2855

Mercury -59491-08-30 08:23 J -20007423.24 -20007423.15 -20007423.05 0.3808 0.0945

Mercury -59485-03-15 00:28 J -20005399.58 -20005399.48 -20005399.39 0.3810 0.1012

Mercury -59480-09-28 16:18 J -20003375.88 -20003375.82 -20003375.76 0.3812 0.2951

Mercury -59448-05-30 14:09 J -19991809.00 -19991808.91 -19991808.82 0.3572 0.2962

Mercury -59443-12-14 23:30 J -19989784.64 -19989784.52 -19989784.40 0.3569 0.2423

Mercury -59440-09-20 14:09 J -19988773.99 -19988773.91 -19988773.83 0.3806 0.2165

Mercury -59434-04-06 05:59 J -19986750.35 -19986750.25 -19986750.15 0.3809 0.0237

Mercury -59429-10-19 21:49 J -19984726.68 -19984726.59 -19984726.50 0.3811 0.1712

Mercury -59423-05-05 13:40 J -19982702.95 -19982702.93 -19982702.90 0.3812 0.3649

Mercury -59391-01-04 16:18 J -19971135.97 -19971135.82 -19971135.66 0.3571 0.1126

Mercury -59389-10-11 19:40 J -19970124.72 -19970124.68 -19970124.64 0.3805 0.3394

Mercury -59383-04-27 11:30 J -19968101.11 -19968101.02 -19968100.93 0.3807 0.1476

Mercury -59378-11-11 03:35 J -19966077.45 -19966077.35 -19966077.25 0.3809 0.0493

Mercury -59372-05-26 19:25 J -19964053.77 -19964053.69 -19964053.62 0.3811 0.2405

Mercury -59335-08-11 18:42 J -19950462.88 -19950462.72 -19950462.56 0.3571 0.0716

Mercury -59332-05-18 17:01 J -19949451.85 -19949451.79 -19949451.72 0.3805 0.2720

Mercury -59327-12-02 09:06 J -19947428.22 -19947428.12 -19947428.02 0.3808 0.0781

Mercury -59321-06-17 00:57 J -19945404.56 -19945404.46 -19945404.36 0.3809 0.1162

Mercury -59316-12-31 16:47 J -19943380.85 -19943380.80 -19943380.74 0.3811 0.3108

Mercury -59284-09-01 11:30 J -19931814.11 -19931814.02 -19931813.92 0.3573 0.2853

Mercury -59278-03-18 20:52 J -19929789.74 -19929789.63 -19929789.51 0.3570 0.2553

Mercury -59276-12-23 14:37 J -19928778.97 -19928778.89 -19928778.81 0.3806 0.2017

Mercury -59270-07-09 06:28 J -19926755.33 -19926755.23 -19926755.13 0.3808 0.0152

Mercury -59264-01-21 22:33 J -19924731.65 -19924731.56 -19924731.48 0.3810 0.1873

Mercury -59227-04-08 13:54 J -19911141.08 -19911140.92 -19911140.77 0.3572 0.1017

Mercury -59224-01-13 20:09 J -19910129.71 -19910129.66 -19910129.61 0.3804 0.3255

Mercury -59219-07-30 12:13 J -19908106.09 -19908105.99 -19908105.90 0.3806 0.1318

Mercury -59213-02-13 04:04 J -19906082.43 -19906082.33 -19906082.23 0.3808 0.0630

Mercury -59208-08-28 19:54 J -19904058.74 -19904058.67 -19904058.60 0.3810 0.2573

Mercury -59171-11-13 16:04 J -19890467.99 -19890467.83 -19890467.68 0.3571 0.0799

Mercury -59168-08-20 17:45 J -19889456.83 -19889456.76 -19889456.69 0.3805 0.2557

Mercury -59162-03-06 09:35 J -19887433.20 -19887433.10 -19887433.00 0.3807 0.0621

Mercury -59157-09-19 01:25 J -19885409.53 -19885409.44 -19885409.34 0.3809 0.1344

Mercury -59151-04-04 17:30 J -19883385.82 -19883385.77 -19883385.72 0.3811 0.3283

Mercury -59120-12-04 08:52 J -19871819.23 -19871819.13 -19871819.03 0.3573 0.2797

Mercury -59117-09-10 23:16 J -19870807.53 -19870807.53 -19870807.52 0.3803 0.3791

Mercury -59114-06-20 18:13 J -19869794.85 -19869794.74 -19869794.63 0.3571 0.2631

Mercury -59111-03-27 15:21 J -19868783.95 -19868783.86 -19868783.78 0.3806 0.1859

Mercury -59106-10-11 07:11 J -19866760.30 -19866760.20 -19866760.10 0.3808 0.0118

Mercury -59100-04-25 23:01 J -19864736.63 -19864736.54 -19864736.46 0.3810 0.2034

Mercury -59063-07-11 11:01 J -19851146.19 -19851146.04 -19851145.88 0.3573 0.0951

Mercury -59060-04-17 20:52 J -19850134.69 -19850134.63 -19850134.58 0.3804 0.3099

Mercury -59055-11-01 12:42 J -19848111.06 -19848110.97 -19848110.87 0.3806 0.1154

Mercury -59049-05-17 04:33 J -19846087.41 -19846087.31 -19846087.21 0.3808 0.0786

Mercury -59044-11-30 20:23 J -19844063.71 -19844063.65 -19844063.58 0.3810 0.2747

Mercury -59006-02-15 13:25 J -19830473.10 -19830472.94 -19830472.78 0.3572 0.0908

Mercury -59004-11-22 18:13 J -19829461.81 -19829461.74 -19829461.66 0.3804 0.2403

59TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 59th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-58998-06-08 10:18 J	-19827438.17	-19827438.07	-19827437.98	0.3806	0.0492		
Mercury	-58993-12-22 02:09 J	-19825414.51	-19825414.41	-19825414.32	0.3809	0.1498		
Mercury	-58987-07-07 17:59 J	-19823390.79	-19823390.75	-19823390.71	0.3810	0.3454		
Mercury	-58955-03-08 06:13 J	-19811824.34	-19811824.24	-19811824.13	0.3574	0.2692		
Mercury	-58953-12-13 23:59 J	-19810812.53	-19810812.50	-19810812.48	0.3802	0.3645		
Mercury	-58950-09-22 15:35 J	-19809799.95	-19809799.85	-19809799.75	0.3571	0.2766		
Mercury	-58947-06-29 15:49 J	-19808788.93	-19808788.84	-19808788.75	0.3805	0.1697		
Mercury	-58941-01-13 07:40 J	-19806765.28	-19806765.18	-19806765.08	0.3807	0.0243		
Mercury	-58936-07-28 23:30 J	-19804741.60	-19804741.52	-19804741.44	0.3809	0.2207		
Mercury	-58899-10-13 08:23 J	-19791151.30	-19791151.15	-19791150.99	0.3573	0.0857		
Mercury	-58896-07-20 21:21 J	-19790139.67	-19790139.61	-19790139.54	0.3803	0.2942		
Mercury	-58890-02-03 13:25 J	-19788116.04	-19788115.94	-19788115.85	0.3805	0.1009		
Mercury	-58885-08-19 05:16 J	-19786092.38	-19786092.28	-19786092.19	0.3808	0.0965		
Mercury	-58879-03-04 21:06 J	-19784068.68	-19784068.62	-19784068.56	0.3810	0.2919		

Mercury -58842-05-20 10:47 J -19770478.21 -19770478.05 -19770477.90 0.3573 0.1004

Mercury -58839-02-24 18:57 J -19769466.79 -19769466.71 -19769466.63 0.3804 0.2234

Mercury -58834-09-10 10:47 J -19767443.15 -19767443.05 -19767442.95 0.3806 0.0291

Mercury -58828-03-26 02:37 J -19765419.48 -19765419.39 -19765419.30 0.3808 0.1670

Mercury -58823-10-09 18:28 J -19763395.75 -19763395.73 -19763395.70 0.3810 0.3633

Mercury -58791-06-10 03:35 J -19751829.46 -19751829.35 -19751829.24 0.3575 0.2625

Mercury -58788-03-18 00:28 J -19750817.51 -19750817.48 -19750817.44 0.3802 0.3483

Mercury -58786-12-25 12:57 J -19749805.05 -19749804.96 -19749804.86 0.3572 0.2863

Mercury -58783-10-01 16:18 J -19748793.91 -19748793.82 -19748793.72 0.3804 0.1542

Mercury -58777-04-16 08:09 J -19746770.25 -19746770.16 -19746770.06 0.3807 0.0450

Mercury -58772-10-31 00:13 J -19744746.57 -19744746.49 -19744746.41 0.3809 0.2380

Mercury -58734-01-15 05:45 J -19731156.41 -19731156.26 -19731156.10 0.3574 0.0762

Mercury -58732-10-22 22:04 J -19730144.65 -19730144.58 -19730144.51 0.3802 0.2777

Mercury -58726-05-08 13:54 J -19728121.02 -19728120.92 -19728120.82 0.3805 0.0842

Mercury -58721-11-21 05:45 J -19726097.36 -19726097.26 -19726097.16 0.3807 0.1125

Mercury -58715-06-06 21:35 J -19724073.66 -19724073.60 -19724073.54 0.3809 0.3078

Mercury -58678-08-22 08:09 J -19710483.31 -19710483.16 -19710483.01 0.3573 0.1120

Mercury -58675-05-29 19:25 J -19709471.77 -19709471.69 -19709471.61 0.3803 0.2088

Mercury -58670-12-13 11:16 J -19707448.13 -19707448.03 -19707447.93 0.3805 0.0170

Mercury -58664-06-28 03:21 J -19705424.45 -19705424.36 -19705424.28 0.3807 0.1841

Mercury -58658-01-11 19:11 J -19703400.71 -19703400.70 -19703400.70 0.3810 0.3795

Mercury -58627-09-12 00:57 J -19691834.57 -19691834.46 -19691834.35 0.3576 0.2519

Mercury -58624-06-20 01:11 J -19690822.50 -19690822.45 -19690822.41 0.3801 0.3331

Mercury -58621-03-28 10:33 J -19689810.15 -19689810.06 -19689809.98 0.3572 0.2993

Mercury -58618-01-03 17:01 J -19688798.89 -19688798.79 -19688798.70 0.3804 0.1387

Mercury -58613-07-19 08:52 J -19686775.23 -19686775.13 -19686775.03 0.3806 0.0587

Mercury -58607-02-02 00:42 J -19684751.54 -19684751.47 -19684751.40 0.3808 0.2545

Mercury -58570-04-19 03:21 J -19671161.52 -19671161.36 -19671161.20 0.3575 0.0650

Mercury -58567-01-24 22:33 J -19670149.63 -19670149.56 -19670149.49 0.3802 0.2626

Mercury -58562-08-10 14:23 J -19668126.00 -19668125.90 -19668125.80 0.3804 0.0676

Mercury -58556-02-23 06:28 J -19666102.33 -19666102.23 -19666102.14 0.3806 0.1310

Mercury -58551-09-08 22:18 J -19664078.62 -19664078.57 -19664078.52 0.3809 0.3261

Mercury -58514-11-24 05:30 J -19650488.42 -19650488.27 -19650488.12 0.3574 0.1207

Mercury -58511-08-31 20:09 J -19649476.75 -19649476.66 -19649476.58 0.3802 0.1923

Mercury -58505-03-16 11:59 J -19647453.10 -19647453.00 -19647452.90 0.3805 0.0068

Mercury -58500-09-30 03:49 J -19645429.42 -19645429.34 -19645429.26 0.3807 0.2010

Mercury -58463-12-14 22:18 J -19631839.69 -19631839.57 -19631839.46 0.3576 0.2453

Mercury -58460-09-22 01:40 J -19630827.48 -19630827.43 -19630827.38 0.3800 0.3165

Mercury -58457-06-30 07:40 J -19629815.26 -19629815.18 -19629815.10 0.3573 0.3077

Mercury -58454-04-07 17:30 J -19628803.86 -19628803.77 -19628803.67 0.3803 0.1214

Mercury -58449-10-21 09:21 J -19626780.20 -19626780.11 -19626780.01 0.3805 0.0768

Mercury -58443-05-07 01:11 J -19624756.52 -19624756.45 -19624756.38 0.3808 0.2716

Mercury -58406-07-22 00:28 J -19611166.64 -19611166.48 -19611166.32 0.3575 0.0569

Mercury -58403-04-28 23:16 J -19610154.61 -19610154.53 -19610154.46 0.3801 0.2473

Mercury -58398-11-12 15:06 J -19608130.97 -19608130.87 -19608130.77 0.3804 0.0509

Mercury -58392-05-28 06:57 J -19606107.31 -19606107.21 -19606107.12 0.3806 0.1463

Mercury -58387-12-11 22:47 J -19604083.59 -19604083.55 -19604083.51 0.3808 0.3433

Mercury -58352-05-20 04:47 J -19591505.32 -19591505.30 -19591505.29 0.3799 0.3721

Mercury -58349-02-26 02:52 J -19590493.53 -19590493.38 -19590493.23 0.3575 0.1327

Mercury -58347-12-03 20:37 J -19589481.73 -19589481.64 -19589481.55 0.3802 0.1758

Mercury -58341-06-18 12:28 J -19587458.08 -19587457.98 -19587457.88 0.3804 0.0211

Mercury -58335-01-02 04:18 J -19585434.40 -19585434.32 -19585434.24 0.3806 0.2174

Mercury -58298-03-18 19:40 J -19571844.80 -19571844.68 -19571844.56 0.3577 0.2333

Mercury -58296-12-25 02:09 J -19570832.47 -19570832.41 -19570832.35 0.3800 0.3017

Mercury -58293-10-02 05:01 J -19569820.35 -19569820.29 -19569820.22 0.3574 0.3211

Mercury -58290-07-10 18:13 J -19568808.84 -19568808.74 -19568808.65 0.3802 0.1056

Mercury -58284-01-23 10:04 J -19566785.18 -19566785.08 -19566784.99 0.3805 0.0928

Mercury -58279-08-09 01:54 J -19564761.49 -19564761.42 -19564761.36 0.3807 0.2896

Mercury -58242-10-23 21:49 J -19551171.75 -19551171.59 -19551171.43 0.3576 0.0468

Mercury -58239-07-31 23:45 J -19550159.59 -19550159.51 -19550159.43 0.3800 0.2299

Mercury -58233-02-14 15:35 J -19548135.95 -19548135.85 -19548135.75 0.3803 0.0332

Mercury -58228-08-30 07:25 J -19546112.28 -19546112.19 -19546112.10 0.3805 0.1637

Mercury -58222-03-15 23:16 J -19544088.55 -19544088.53 -19544088.50 0.3808 0.3621

Mercury -58188-08-22 05:16 J -19531510.31 -19531510.28 -19531510.24 0.3798 0.3559

Mercury -58185-05-30 00:13 J -19530498.64 -19530498.49 -19530498.35 0.3576 0.1421

Mercury -58182-03-07 21:21 J -19529486.71 -19529486.61 -19529486.52 0.3801 0.1595

Mercury -58177-09-20 13:11 J -19527463.05 -19527462.95 -19527462.85 0.3803 0.0406

Mercury -58171-04-06 05:01 J -19525439.37 -19525439.29 -19525439.22 0.3806 0.2357

Mercury -58134-06-20 17:01 J -19511849.92 -19511849.79 -19511849.67 0.3578 0.2262

Mercury -58131-03-29 02:52 J -19510837.45 -19510837.38 -19510837.32 0.3799 0.2844

Mercury -58128-01-04 02:23 J -19509825.46 -19509825.40 -19509825.34 0.3575 0.3307

Mercury -58126-10-12 18:42 J -19508813.82 -19508813.72 -19508813.62 0.3802 0.0872

Mercury -58120-04-27 10:33 J -19506790.16 -19506790.06 -19506789.96 0.3804 0.1093

Mercury -58115-11-11 02:23 J -19504766.45 -19504766.40 -19504766.34 0.3807 0.3078

Mercury -58077-01-25 19:11 J -19491176.86 -19491176.70 -19491176.54 0.3577 0.0364

Mercury -58075-11-03 00:13 J -19490164.57 -19490164.49 -19490164.40 0.3800 0.2138

Mercury -58069-05-18 16:04 J -19488140.93 -19488140.83 -19488140.73 0.3802 0.0213

Mercury -58064-12-02 08:09 J -19486117.25 -19486117.16 -19486117.08 0.3805 0.1818

Mercury -58058-06-17 23:59 J -19484093.51 -19484093.50 -19484093.50 0.3807 0.3790

Mercury -58024-11-24 05:59 J -19471515.29 -19471515.25 -19471515.21 0.3798 0.3395

Mercury -58021-08-31 21:35 J -19470503.75 -19470503.60 -19470503.46 0.3576 0.1544

Mercury -58018-06-09 21:49 J -19469491.68 -19469491.59 -19469491.50 0.3800 0.1431

Mercury -58013-12-23 13:40 J -19467468.03 -19467467.93 -19467467.83 0.3803 0.0550

Mercury -58007-07-09 05:30 J -19465444.34 -19465444.27 -19465444.20 0.3805 0.2533

58TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 58th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-57970-09-22 14:23 J	-19451855.03	-19451854.90	-19451854.77	0.3579	0.2149		
Mercury	-57967-07-01 03:21 J	-19450842.43	-19450842.36	-19450842.29	0.3798	0.2683		
Mercury	-57964-04-07 23:45 J	-19449830.55	-19449830.51	-19449830.47	0.3575	0.3440		
Mercury	-57961-01-14 19:11 J	-19448818.80	-19448818.70	-19448818.60	0.3801	0.0719		
Mercury	-57956-07-30 11:01 J	-19446795.13	-19446795.04	-19446794.94	0.3804	0.1278		
Mercury	-57950-02-13 03:06 J	-19444771.42	-19444771.37	-19444771.32	0.3806	0.3256		
Mercury	-57913-04-28 16:33 J	-19431181.97	-19431181.81	-19431181.65	0.3578	0.0260		
Mercury	-57910-02-05 00:57 J	-19430169.55	-19430169.46	-19430169.38	0.3799	0.1970		
Mercury	-57905-08-20 16:47 J	-19428145.90	-19428145.80	-19428145.70	0.3802	0.0045		
Mercury	-57899-03-06 08:37 J	-19426122.22	-19426122.14	-19426122.05	0.3804	0.1995		
Mercury	-57859-02-26 06:28 J	-19411520.28	-19411520.23	-19411520.18	0.3797	0.3225		
Mercury	-57857-12-03 18:42 J	-19410508.86	-19410508.72	-19410508.58	0.3577	0.1624		
Mercury	-57854-09-11 22:18 J	-19409496.66	-19409496.57	-19409496.47	0.3800	0.1256		
Mercury	-57848-03-27 14:09 J	-19407473.00	-19407472.91	-19407472.81	0.3802	0.0745		
Mercury	-57843-10-11 05:59 J	-19405449.31	-19405449.25	-19405449.18	0.3805	0.2723		
Mercury	-57806-12-25 11:30 J	-19391860.15	-19391860.02	-19391859.89	0.3579	0.2071		
Mercury	-57803-10-03 04:04 J	-19390847.41	-19390847.33	-19390847.26	0.3798	0.2512		
Mercury	-57800-07-10 21:06 J	-19389835.64	-19389835.62	-19389835.60	0.3576	0.3538		
Mercury	-57797-04-17 19:54 J	-19388823.77	-19388823.67	-19388823.57	0.3801	0.0543		
Mercury	-57792-11-01 11:45 J	-19386800.10	-19386800.01	-19386799.92	0.3803	0.1450		
Mercury	-57786-05-18 03:35 J	-19384776.39	-19384776.35	-19384776.31	0.3805	0.3427		
Mercury	-57752-10-24 09:35 J	-19372198.10	-19372198.10	-19372198.09	0.3796	0.3774		
Mercury	-57749-07-31 13:54 J	-19371187.08	-19371186.92	-19371186.76	0.3579	0.0162		
Mercury	-57746-05-10 01:25 J	-19370174.53	-19370174.44	-19370174.35	0.3799	0.1804		
Mercury	-57741-11-22 17:16 J	-19368150.88	-19368150.78	-19368150.68	0.3801	0.0211		

Mercury -57735-06-08 09:06 J -19366127.20 -19366127.12 -19366127.04 0.3804 0.2164

Mercury -57695-05-31 06:57 J -19351525.26 -19351525.21 -19351525.15 0.3796 0.3076

Mercury -57692-03-07 16:18 J -19350513.96 -19350513.82 -19350513.69 0.3578 0.1759

Mercury -57690-12-14 23:01 J -19349501.64 -19349501.54 -19349501.45 0.3799 0.1094

Mercury -57684-06-29 14:52 J -19347477.98 -19347477.88 -19347477.79 0.3802 0.0906

Mercury -57678-01-13 06:42 J -19345454.29 -19345454.22 -19345454.16 0.3804 0.2886

Mercury -57641-03-28 09:06 J -19331865.26 -19331865.12 -19331864.99 0.3580 0.1952

Mercury -57638-01-05 04:33 J -19330852.39 -19330852.31 -19330852.23 0.3797 0.2353

Mercury -57633-07-20 20:23 J -19328828.75 -19328828.65 -19328828.55 0.3800 0.0367

Mercury -57627-02-03 12:13 J -19326805.08 -19326804.99 -19326804.90 0.3802 0.1625

Mercury -57622-08-20 04:04 J -19324781.36 -19324781.33 -19324781.30 0.3805 0.3615

Mercury -57587-01-26 10:04 J -19312203.10 -19312203.08 -19312203.05 0.3795 0.3618

Mercury -57585-11-02 11:16 J -19311192.19 -19311192.03 -19311191.87 0.3580 0.0108

Mercury -57582-08-12 02:09 J -19310179.50 -19310179.41 -19310179.32 0.3798 0.1632

Mercury -57576-02-24 17:59 J -19308155.85 -19308155.75 -19308155.65 0.3800 0.0375

Mercury -57571-09-10 09:49 J -19306132.17 -19306132.09 -19306132.01 0.3803 0.2351

Mercury -57531-09-02 07:40 J -19291530.24 -19291530.18 -19291530.12 0.3796 0.2897

Mercury -57528-06-09 13:25 J -19290519.08 -19290518.94 -19290518.80 0.3579 0.1857

Mercury -57525-03-17 23:30 J -19289506.62 -19289506.52 -19289506.42 0.3798 0.0907

Mercury -57520-10-01 15:21 J -19287482.95 -19287482.86 -19287482.76 0.3801 0.1087

Mercury -57514-04-17 07:11 J -19285459.26 -19285459.20 -19285459.14 0.3804 0.3074

Mercury -57477-06-30 06:13 J -19271870.38 -19271870.24 -19271870.10 0.3581 0.1883

Mercury -57474-04-09 05:16 J -19270857.37 -19270857.28 -19270857.20 0.3796 0.2180

Mercury -57469-10-22 21:06 J -19268833.72 -19268833.62 -19268833.52 0.3799 0.0222

Mercury -57463-05-08 12:42 J -19266810.05 -19266809.97 -19266809.88 0.3802 0.1811

Mercury -57458-11-22 04:47 J -19264786.30 -19264786.30 -19264786.30 0.3804 0.3801

Mercury -57423-04-30 10:47 J -19252208.09 -19252208.05 -19252208.01 0.3794 0.3449

Mercury -57420-02-04 08:37 J -19251197.30 -19251197.14 -19251196.98 0.3580 0.0092

Mercury -57418-11-14 02:37 J -19250184.48 -19250184.39 -19250184.30 0.3797 0.1454

Mercury -57412-05-29 18:28 J -19248160.83 -19248160.73 -19248160.63 0.3800 0.0529

Mercury -57407-12-13 10:18 J -19246137.14 -19246137.07 -19246137.00 0.3802 0.2528

Mercury -57367-12-05 08:09 J -19231535.22 -19231535.16 -19231535.09 0.3795 0.2730

Mercury -57364-09-11 10:47 J -19230524.18 -19230524.05 -19230523.91 0.3579 0.1993

Mercury -57361-06-19 23:59 J -19229511.59 -19229511.50 -19229511.40 0.3798 0.0753

Mercury -57355-01-03 15:49 J -19227487.93 -19227487.84 -19227487.74 0.3800 0.1266

Mercury -57350-07-20 07:54 J -19225464.22 -19225464.17 -19225464.13 0.3803 0.3263

Mercury -57313-10-02 03:35 J -19211875.49 -19211875.35 -19211875.21 0.3582 0.1760

Mercury -57310-07-12 05:45 J -19210862.34 -19210862.26 -19210862.18 0.3795 0.2000

Mercury -57304-01-24 21:35 J -19208838.70 -19208838.60 -19208838.50 0.3798 0.0037

Mercury -57299-08-10 13:25 J -19206815.02 -19206814.94 -19206814.86 0.3801 0.1987

Mercury -57259-08-02 11:16 J -19192213.07 -19192213.03 -19192212.98 0.3793 0.3277

Mercury -57256-05-09 05:59 J -19191202.41 -19191202.25 -19191202.09 0.3581 0.0176

Mercury -57253-02-16 03:21 J -19190189.46 -19190189.36 -19190189.27 0.3796 0.1289

Mercury -57248-08-31 18:57 J -19188165.80 -19188165.71 -19188165.61 0.3799 0.0734

Mercury -57242-03-17 11:01 J -19186142.11 -19186142.04 -19186141.98 0.3802 0.2724

Mercury -57202-03-09 08:52 J -19171540.20 -19171540.13 -19171540.06 0.3794 0.2545

Mercury -57200-12-14 08:09 J -19170529.29 -19170529.16 -19170529.03 0.3580 0.2077

Mercury -57197-09-22 00:42 J -19169516.57 -19169516.47 -19169516.37 0.3797 0.0555

Mercury -57191-04-07 16:33 J -19167492.90 -19167492.81 -19167492.72 0.3800 0.1445

Mercury -57186-10-22 08:23 J -19165469.19 -19165469.15 -19165469.11 0.3802 0.3447

Mercury -57148-01-04 00:57 J -19151880.60 -19151880.46 -19151880.32 0.3583 0.1663

Mercury -57146-10-14 06:13 J -19150867.32 -19150867.24 -19150867.15 0.3795 0.1831

Mercury -57140-04-28 22:04 J -19148843.68 -19148843.58 -19148843.48 0.3798 0.0212

Mercury -57135-11-12 13:54 J -19146820.00 -19146819.92 -19146819.83 0.3800 0.2181

Mercury -57095-11-04 11:59 J -19132218.06 -19132218.00 -19132217.95 0.3793 0.3097

Mercury -57092-08-11 03:21 J -19131207.53 -19131207.36 -19131207.20 0.3582 0.0294

Mercury -57089-05-20 03:49 J -19130194.44 -19130194.34 -19130194.25 0.3796 0.1112

Mercury -57084-12-03 19:40 J -19128170.78 -19128170.68 -19128170.58 0.3799 0.0901

Mercury -57078-06-19 11:30 J -19126147.09 -19126147.02 -19126146.96 0.3801 0.2896

Mercury -57041-08-31 20:09 J -19112558.70 -19112558.66 -19112558.63 0.3585 0.3473

Mercury -57038-06-11 09:21 J -19111545.19 -19111545.11 -19111545.03 0.3793 0.2385

Mercury -57035-03-18 05:30 J -19110534.40 -19110534.27 -19110534.15 0.3581 0.2213

Mercury -57033-12-25 01:11 J -19109521.55 -19109521.45 -19109521.35 0.3796 0.0391

Mercury -57027-07-10 17:01 J -19107497.88 -19107497.79 -19107497.70 0.3799 0.1631

Mercury -57021-01-24 08:52 J -19105474.15 -19105474.13 -19105474.10 0.3802 0.3625

57TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 57th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-56987-07-02 15:06 J	-19092895.90	-19092895.87	-19092895.85	0.3791	0.3654		
Mercury	-56984-04-07 22:18 J	-19091885.71	-19091885.57	-19091885.42	0.3584	0.1540		
Mercury	-56981-01-16 06:57 J	-19090872.30	-19090872.21	-19090872.12	0.3794	0.1661		
Mercury	-56976-07-31 22:47 J	-19088848.65	-19088848.55	-19088848.45	0.3797	0.0363		
Mercury	-56970-02-14 14:37 J	-19086824.97	-19086824.89	-19086824.81	0.3800	0.2358		
Mercury	-56930-02-06 12:28 J	-19072223.04	-19072222.98	-19072222.92	0.3792	0.2928		
Mercury	-56928-11-13 00:28 J	-19071212.64	-19071212.48	-19071212.32	0.3583	0.0369		
Mercury	-56925-08-22 04:18 J	-19070199.41	-19070199.32	-19070199.22	0.3795	0.0930		
Mercury	-56919-03-07 20:09 J	-19068175.75	-19068175.66	-19068175.56	0.3798	0.1097		
Mercury	-56914-09-21 11:59 J	-19066152.05	-19066152.00	-19066151.94	0.3800	0.3089		
Mercury	-56877-12-03 17:16 J	-19052563.82	-19052563.78	-19052563.73	0.3586	0.3392		
Mercury	-56874-09-13 10:04 J	-19051550.16	-19051550.08	-19051550.00	0.3792	0.2202		
Mercury	-56871-06-20 02:37 J	-19050539.51	-19050539.39	-19050539.27	0.3582	0.2309		
Mercury	-56868-03-29 01:54 J	-19049526.52	-19049526.42	-19049526.32	0.3796	0.0201		

Mercury -56863-10-12 17:45 J -19047502.85 -19047502.76 -19047502.67 0.3798 0.1819

Mercury -56823-10-04 15:35 J -19032900.89 -19032900.85 -19032900.81 0.3790 0.3474

Mercury -56820-07-10 19:40 J -19031890.83 -19031890.68 -19031890.54 0.3585 0.1463

Mercury -56817-04-19 07:25 J -19030877.28 -19030877.19 -19030877.10 0.3793 0.1475

Mercury -56812-11-02 23:16 J -19028853.63 -19028853.53 -19028853.43 0.3796 0.0551

Mercury -56806-05-19 15:06 J -19026829.94 -19026829.87 -19026829.80 0.3799 0.2538

Mercury -56766-05-11 13:11 J -19012228.02 -19012227.95 -19012227.89 0.3791 0.2762

Mercury -56763-02-14 21:49 J -19011217.75 -19011217.59 -19011217.43 0.3584 0.0489

Mercury -56761-11-24 05:01 J -19010204.39 -19010204.29 -19010204.19 0.3794 0.0749

Mercury -56755-06-09 20:52 J -19008180.73 -19008180.63 -19008180.54 0.3797 0.1270

Mercury -56750-12-24 12:42 J -19006157.02 -19006156.97 -19006156.93 0.3800 0.3277

Mercury -56712-03-07 14:52 J -18992568.95 -18992568.88 -18992568.82 0.3587 0.3272

Mercury -56710-12-16 10:33 J -18991555.14 -18991555.06 -18991554.98 0.3792 0.2026

Mercury -56707-09-21 23:59 J -18990544.61 -18990544.50 -18990544.38 0.3583 0.2447

Mercury -56704-07-01 02:23 J -18989531.50 -18989531.40 -18989531.30 0.3795 0.0032

Mercury -56698-01-14 18:13 J -18987507.82 -18987507.74 -18987507.66 0.3798 0.1993

Mercury -56658-01-06 16:04 J -18972905.87 -18972905.83 -18972905.78 0.3789 0.3312

Mercury -56656-10-12 17:01 J -18971895.94 -18971895.79 -18971895.64 0.3586 0.1338

Mercury -56653-07-22 08:09 J -18970882.26 -18970882.16 -18970882.07 0.3793 0.1297

Mercury -56647-02-04 23:59 J -18968858.60 -18968858.50 -18968858.41 0.3795 0.0733

Mercury -56642-08-21 15:49 J -18966834.91 -18966834.84 -18966834.78 0.3798 0.2737

Mercury -56602-08-13 13:40 J -18952233.00 -18952232.93 -18952232.86 0.3790 0.2572

Mercury -56599-05-19 19:11 J -18951222.86 -18951222.70 -18951222.54 0.3585 0.0606

Mercury -56596-02-26 05:30 J -18950209.37 -18950209.27 -18950209.17 0.3793 0.0556

Mercury -56591-09-11 21:21 J -18948185.70 -18948185.61 -18948185.52 0.3796 0.1455

Mercury -56585-03-27 13:11 J -18946161.99 -18946161.95 -18946161.91 0.3799 0.3475

Mercury -56548-06-09 11:59 J -18932574.07 -18932574.00 -18932573.93 0.3588 0.3185

Mercury -56545-03-19 11:16 J -18931560.12 -18931560.03 -18931559.95 0.3791 0.1844

Mercury -56543-12-24 21:21 J -18930549.72 -18930549.61 -18930549.50 0.3584 0.2547

Mercury -56540-10-03 03:06 J -18929536.47 -18929536.37 -18929536.27 0.3794 0.0225

Mercury -56534-04-18 18:57 J -18927512.80 -18927512.71 -18927512.63 0.3797 0.2194

Mercury -56494-04-10 16:47 J -18912910.85 -18912910.80 -18912910.75 0.3789 0.3124

Mercury -56491-01-14 14:09 J -18911901.06 -18911900.91 -18911900.76 0.3587 0.1241

Mercury -56489-10-24 08:37 J -18910887.24 -18910887.14 -18910887.04 0.3792 0.1103

Mercury -56483-05-10 00:28 J -18908863.58 -18908863.48 -18908863.38 0.3795 0.0905

Mercury -56478-11-23 16:18 J -18906839.88 -18906839.82 -18906839.76 0.3798 0.2927

Mercury -56438-11-15 14:09 J -18892237.98 -18892237.91 -18892237.83 0.3790 0.2397

Mercury -56435-08-21 16:33 J -18891227.97 -18891227.81 -18891227.66 0.3586 0.0725

Mercury -56432-05-31 05:59 J -18890214.35 -18890214.25 -18890214.15 0.3793 0.0402

Mercury -56427-12-14 21:49 J -18888190.68 -18888190.59 -18888190.50 0.3796 0.1648

Mercury -56421-06-29 13:40 J -18886166.95 -18886166.93 -18886166.90 0.3798 0.3660

Mercury -56387-12-06 19:54 J -18873588.69 -18873588.67 -18873588.65 0.3787 0.3680

Mercury -56384-09-11 09:21 J -18872579.19 -18872579.11 -18872579.02 0.3589 0.3057

Mercury -56381-06-21 11:45 J -18871565.10 -18871565.01 -18871564.92 0.3790 0.1664

Mercury -56378-03-28 18:42 J -18870554.82 -18870554.72 -18870554.61 0.3585 0.2697

Mercury -56375-01-05 03:35 J -18869541.45 -18869541.35 -18869541.25 0.3793 0.0360

Mercury -56370-07-21 19:25 J -18867517.77 -18867517.69 -18867517.61 0.3796 0.2383

Mercury -56330-07-13 17:16 J -18852915.84 -18852915.78 -18852915.71 0.3788 0.2945

Mercury -56327-04-18 11:45 J -18851906.17 -18851906.01 -18851905.86 0.3588 0.1115

Mercury -56324-01-26 09:06 J -18850892.21 -18850892.12 -18850892.02 0.3791 0.0934

Mercury -56319-08-12 00:57 J -18848868.55 -18848868.46 -18848868.36 0.3794 0.1106

Mercury -56313-02-25 16:47 J -18846844.85 -18846844.80 -18846844.74 0.3797 0.3124

Mercury -56273-02-17 14:52 J -18832242.96 -18832242.88 -18832242.80 0.3788 0.2210

Mercury -56271-11-23 13:40 J -18831233.08 -18831232.93 -18831232.77 0.3587 0.0827

Mercury -56268-09-02 06:42 J -18830219.32 -18830219.22 -18830219.12 0.3792 0.0192

Mercury -56262-03-18 22:33 J -18828195.65 -18828195.56 -18828195.47 0.3795 0.1840

Mercury -56222-03-10 20:23 J -18813593.68 -18813593.65 -18813593.61 0.3786 0.3495

Mercury -56220-12-14 06:42 J -18812584.31 -18812584.22 -18812584.13 0.3590 0.2975

Mercury -56217-09-23 12:13 J -18811570.08 -18811569.99 -18811569.89 0.3789 0.1477

Mercury -56214-06-30 15:49 J -18810559.93 -18810559.84 -18810559.74 0.3586 0.2790

Mercury -56211-04-09 04:04 J -18809546.43 -18809546.33 -18809546.23 0.3793 0.0570

Mercury -56206-10-23 19:54 J -18807522.74 -18807522.67 -18807522.59 0.3795 0.2585

Mercury -56166-10-15 17:59 J -18792920.82 -18792920.75 -18792920.68 0.3787 0.2758

Mercury -56163-07-21 08:52 J -18791911.28 -18791911.13 -18791910.98 0.3589 0.1015

Mercury -56160-04-30 09:49 J -18790897.19 -18790897.09 -18790896.99 0.3790 0.0741

Mercury -56155-11-14 01:40 J -18788873.53 -18788873.43 -18788873.34 0.3793 0.1292

Mercury -56149-05-29 17:30 J -18786849.82 -18786849.77 -18786849.73 0.3796 0.3308

Mercury -56109-05-21 15:21 J -18772247.94 -18772247.86 -18772247.77 0.3788 0.2031

Mercury -56106-02-25 11:01 J -18771238.19 -18771238.04 -18771237.88 0.3588 0.0967

Mercury -56104-12-05 07:11 J -18770224.30 -18770224.20 -18770224.10 0.3791 0.0108

Mercury -56098-06-20 23:01 J -18768200.62 -18768200.54 -18768200.45 0.3794 0.2025

Mercury -56058-06-12 21:06 J -18753598.67 -18753598.62 -18753598.58 0.3785 0.3327

Mercury -56055-03-18 04:04 J -18752589.42 -18752589.33 -18752589.23 0.3591 0.2842

Mercury -56053-12-26 12:57 J -18751575.06 -18751574.96 -18751574.87 0.3789 0.1297

Mercury -56050-10-02 13:25 J -18750565.03 -18750564.94 -18750564.85 0.3587 0.2933

Mercury -56047-07-12 04:47 J -18749551.40 -18749551.30 -18749551.20 0.3792 0.0747

Mercury -56041-01-25 20:37 J -18747527.71 -18747527.64 -18747527.58 0.3795 0.2766

Mercury -56001-01-17 18:28 J -18732925.80 -18732925.73 -18732925.66 0.3786 0.2584

56TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 56th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-55999-10-23 06:13 J	-18731916.39	-18731916.24	-18731916.08	0.3590	0.0889		

Mercury -55996-08-02 10:18 J -18730902.17 -18730902.07 -18730901.97 0.3789 0.0552

Mercury -55990-02-16 02:09 J -18728878.50 -18728878.41 -18728878.32 0.3792 0.1484

Mercury -55985-08-31 17:59 J -18726854.78 -18726854.75 -18726854.71 0.3795 0.3508

Mercury -55945-08-23 16:04 J -18712252.92 -18712252.83 -18712252.75 0.3787 0.1841

Mercury -55942-05-30 08:23 J -18711243.30 -18711243.15 -18711243.00 0.3589 0.1076

Mercury -55939-03-09 07:54 J -18710229.27 -18710229.17 -18710229.07 0.3790 0.0214

Mercury -55934-09-22 23:45 J -18708205.59 -18708205.51 -18708205.43 0.3793 0.2228

Mercury -55894-09-14 21:35 J -18693603.65 -18693603.60 -18693603.54 0.3784 0.3133

Mercury -55891-06-20 01:25 J -18692594.54 -18692594.44 -18692594.34 0.3592 0.2744

Mercury -55888-03-30 13:25 J -18691580.03 -18691579.94 -18691579.84 0.3788 0.1098

Mercury -55885-01-04 10:33 J -18690570.14 -18690570.06 -18690569.98 0.3587 0.3041

Mercury -55883-10-14 05:16 J -18689556.37 -18689556.28 -18689556.18 0.3791 0.0943

Mercury -55877-04-28 21:06 J -18687532.68 -18687532.62 -18687532.56 0.3794 0.2966

Mercury -55837-04-20 19:11 J -18672930.78 -18672930.70 -18672930.63 0.3785 0.2395

Mercury -55834-01-25 03:35 J -18671921.51 -18671921.35 -18671921.20 0.3591 0.0777

Mercury -55832-11-04 11:01 J -18670907.14 -18670907.04 -18670906.94 0.3789 0.0367

Mercury -55826-05-21 02:37 J -18668883.47 -18668883.39 -18668883.30 0.3792 0.1683

Mercury -55821-12-03 18:42 J -18666859.74 -18666859.72 -18666859.71 0.3795 0.3711

Mercury -55786-05-13 00:42 J -18654281.49 -18654281.47 -18654281.45 0.3783 0.3694

Mercury -55781-11-25 16:33 J -18652257.90 -18652257.81 -18652257.72 0.3786 0.1649

Mercury -55778-09-01 05:45 J -18651248.41 -18651248.26 -18651248.11 0.3590 0.1205

Mercury -55775-06-11 08:23 J -18650234.25 -18650234.15 -18650234.05 0.3789 0.0379

Mercury -55770-12-26 00:13 J -18648210.57 -18648210.49 -18648210.41 0.3793 0.2417

Mercury -55730-12-17 22:04 J -18633608.64 -18633608.58 -18633608.51 0.3784 0.2951

Mercury -55727-09-21 22:47 J -18632599.66 -18632599.55 -18632599.44 0.3593 0.2605

Mercury -55724-07-02 13:54 J -18631585.01 -18631584.92 -18631584.82 0.3787 0.0926

Mercury -55721-04-07 07:54 J -18630575.24 -18630575.17 -18630575.10 0.3588 0.3187

Mercury -55718-01-16 05:45 J -18629561.35 -18629561.26 -18629561.16 0.3790 0.1136

Mercury -55713-07-31 21:35 J -18627537.65 -18627537.60 -18627537.54 0.3793 0.3173

Mercury -55673-07-23 19:40 J -18612935.76 -18612935.68 -18612935.60 0.3784 0.2198

Mercury -55670-04-29 00:57 J -18611926.62 -18611926.46 -18611926.30 0.3592 0.0642

Mercury -55667-02-06 11:30 J -18610912.12 -18610912.02 -18610911.92 0.3788 0.0166

Mercury -55662-08-23 03:21 J -18608888.45 -18608888.36 -18608888.27 0.3791 0.1875

Mercury -55622-08-15 01:11 J -18594286.48 -18594286.45 -18594286.41 0.3782 0.3503

Mercury -55616-02-27 17:16 J -18592262.88 -18592262.78 -18592262.69 0.3785 0.1462

Mercury -55614-12-04 03:06 J -18591253.52 -18591253.37 -18591253.23 0.3591 0.1305

Mercury -55611-09-13 09:06 J -18590239.22 -18590239.12 -18590239.03 0.3789 0.0607

Mercury -55605-03-29 00:57 J -18588215.54 -18588215.46 -18588215.39 0.3792 0.2630

Mercury -55565-03-20 22:47 J -18573613.62 -18573613.55 -18573613.48 0.3783 0.2750

Mercury -55563-12-24 20:09 J -18572604.78 -18572604.66 -18572604.55 0.3594 0.2516

Mercury -55560-10-04 14:37 J -18571589.99 -18571589.89 -18571589.79 0.3786 0.0712

Mercury -55557-07-10 05:16 J -18570580.35 -18570580.28 -18570580.22 0.3590 0.3283

Mercury -55554-04-20 06:28 J -18569566.32 -18569566.23 -18569566.14 0.3789 0.1328

Mercury -55549-11-02 22:18 J -18567542.61 -18567542.57 -18567542.53 0.3792 0.3369

Mercury -55509-10-25 20:09 J -18552940.74 -18552940.66 -18552940.57 0.3784 0.2013

Mercury -55506-07-31 22:18 J -18551931.73 -18551931.57 -18551931.42 0.3593 0.0546

Mercury -55503-05-11 11:59 J -18550917.10 -18550917.00 -18550916.90 0.3787 0.0135

Mercury -55498-11-25 03:49 J -18548893.42 -18548893.34 -18548893.25 0.3790 0.2083

Mercury -55458-11-17 01:54 J -18534291.47 -18534291.42 -18534291.38 0.3781 0.3308

Mercury -55452-06-01 17:45 J -18532267.86 -18532267.76 -18532267.67 0.3784 0.1274

Mercury -55449-03-07 00:28 J -18531258.63 -18531258.48 -18531258.34 0.3592 0.1445

Mercury -55447-12-16 09:35 J -18530244.20 -18530244.10 -18530244.00 0.3788 0.0781

Mercury -55441-07-01 01:25 J -18528220.51 -18528220.44 -18528220.38 0.3791 0.2818

Mercury -55401-06-22 23:16 J -18513618.60 -18513618.53 -18513618.46 0.3782 0.2571

Mercury -55398-03-28 17:30 J -18512609.89 -18512609.77 -18512609.65 0.3595 0.2370

Mercury -55395-01-06 15:06 J -18511594.97 -18511594.87 -18511594.77 0.3785 0.0532

Mercury -55393-10-12 02:37 J -18510585.43 -18510585.39 -18510585.35 0.3591 0.3442

Mercury -55390-07-23 06:57 J -18509571.30 -18509571.21 -18509571.11 0.3788 0.1534

Mercury -55384-02-04 22:47 J -18507547.58 -18507547.55 -18507547.52 0.3792 0.3563

Mercury -55344-01-27 20:52 J -18492945.72 -18492945.63 -18492945.55 0.3783 0.1826

Mercury -55342-11-02 19:25 J -18491936.84 -18491936.69 -18491936.53 0.3594 0.0436

Mercury -55339-08-13 12:42 J -18490922.07 -18490921.97 -18490921.87 0.3786 0.0241

Mercury -55333-02-27 04:33 J -18488898.39 -18488898.31 -18488898.23 0.3789 0.2277

Mercury -55293-02-19 02:23 J -18474296.45 -18474296.40 -18474296.34 0.3780 0.3119

Mercury -55288-09-03 18:13 J -18472272.83 -18472272.74 -18472272.64 0.3783 0.1076

Mercury -55285-06-08 21:35 J -18471263.74 -18471263.60 -18471263.45 0.3593 0.1564

Mercury -55282-03-20 10:04 J -18470249.17 -18470249.08 -18470248.98 0.3787 0.0996

Mercury -55277-10-03 01:54 J -18468225.48 -18468225.42 -18468225.36 0.3790 0.3025

Mercury -55237-09-24 23:59 J -18453623.58 -18453623.50 -18453623.43 0.3781 0.2373

Mercury -55234-06-30 14:37 J -18452615.01 -18452614.89 -18452614.76 0.3596 0.2282

Mercury -55231-04-10 15:49 J -18451599.94 -18451599.84 -18451599.74 0.3785 0.0324

Mercury -55228-01-13 23:59 J -18450590.52 -18450590.50 -18450590.49 0.3592 0.3561

Mercury -55226-10-25 07:40 J -18449576.27 -18449576.18 -18449576.09 0.3788 0.1734

Mercury -55220-05-09 23:30 J -18447552.53 -18447552.52 -18447552.52 0.3791 0.3773

Mercury -55186-10-17 05:30 J -18434974.29 -18434974.27 -18434974.25 0.3778 0.3670

Mercury -55180-05-01 21:21 J -18432950.70 -18432950.61 -18432950.52 0.3782 0.1624

Mercury -55177-02-04 16:47 J -18431941.95 -18431941.80 -18431941.64 0.3595 0.0310

Mercury -55175-11-15 13:11 J -18430927.05 -18430926.95 -18430926.85 0.3785 0.0450

Mercury -55169-05-31 05:01 J -18428903.36 -18428903.29 -18428903.21 0.3788 0.2471

Mercury -55129-05-23 02:52 J -18414301.44 -18414301.38 -18414301.31 0.3779 0.2938

Mercury -55124-12-06 18:57 J -18412277.81 -18412277.71 -18412277.61 0.3783 0.0880

Mercury -55121-09-10 19:11 J -18411268.84 -18411268.70 -18411268.56 0.3594 0.1713

Mercury -55118-06-22 10:47 J -18410254.15 -18410254.05 -18410253.96 0.3786 0.1182

Mercury -55112-01-05 02:37 J -18408230.44 -18408230.39 -18408230.34 0.3789 0.3227

Mercury -55073-12-28 00:28 J -18393628.56 -18393628.48 -18393628.40 0.3780 0.2181

Mercury -55070-10-02 12:13 J -18392620.12 -18392619.99 -18392619.86 0.3597 0.2137

Mercury -55067-07-13 16:18 J -18391604.92 -18391604.82 -18391604.72 0.3783 0.0126

Mercury -55061-01-27 08:09 J -18389581.25 -18389581.16 -18389581.07 0.3787 0.1924

Mercury -55021-01-19 05:59 J -18374979.28 -18374979.25 -18374979.21 0.3777 0.3492

Mercury -55016-08-03 22:04 J -18372955.68 -18372955.58 -18372955.49 0.3781 0.1431

Mercury -55013-05-08 14:23 J -18371947.06 -18371946.90 -18371946.74 0.3596 0.0154

Mercury -55010-02-17 13:54 J -18370932.02 -18370931.92 -18370931.82 0.3784 0.0643

Mercury -55005-09-02 05:45 J -18368908.33 -18368908.26 -18368908.19 0.3788 0.2684

55TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 55th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-54965-08-25 03:35 J	-18354306.42	-18354306.35	-18354306.28	0.3778	0.2732		
Mercury	-54959-03-10 19:25 J	-18352282.79	-18352282.69	-18352282.59	0.3782	0.0667		
Mercury	-54957-12-13 16:18 J	-18351273.96	-18351273.82	-18351273.68	0.3595	0.1816		
Mercury	-54954-09-24 11:16 J	-18350259.12	-18350259.03	-18350258.94	0.3785	0.1385		
Mercury	-54948-04-09 03:06 J	-18348235.41	-18348235.37	-18348235.33	0.3789	0.3441		
Mercury	-54908-04-01 01:11 J	-18333633.54	-18333633.45	-18333633.37	0.3779	0.1983		
Mercury	-54905-01-04 09:35 J	-18332625.23	-18332625.10	-18332624.97	0.3598	0.2025		
Mercury	-54903-10-15 17:01 J	-18331609.89	-18331609.79	-18331609.69	0.3783	0.0158		
Mercury	-54897-04-30 08:52 J	-18329586.22	-18329586.13	-18329586.05	0.3786	0.2140		
Mercury	-54857-04-22 06:42 J	-18314984.27	-18314984.22	-18314984.17	0.3776	0.3290		
Mercury	-54852-11-05 22:33 J	-18312960.65	-18312960.56	-18312960.46	0.3780	0.1220		
Mercury	-54849-08-10 11:45 J	-18311952.17	-18311952.01	-18311951.86	0.3597	0.0102		
Mercury	-54846-05-22 14:23 J	-18310937.00	-18310936.90	-18310936.80	0.3784	0.0831		
Mercury	-54841-12-05 06:13 J	-18308913.30	-18308913.24	-18308913.18	0.3787	0.2890		
Mercury	-54801-11-27 04:04 J	-18294311.40	-18294311.33	-18294311.25	0.3777	0.2536		
Mercury	-54795-06-12 19:54 J	-18292287.77	-18292287.67	-18292287.57	0.3781	0.0490		

Mercury -54792-03-17 13:40 J -18291279.06 -18291278.93 -18291278.79 0.3596 0.1967

Mercury -54790-12-27 11:45 J -18290264.10 -18290264.01 -18290263.91 0.3784 0.1593

Mercury -54784-07-12 03:35 J -18288240.37 -18288240.35 -18288240.32 0.3787 0.3643

Mercury -54744-07-04 01:40 J -18273638.52 -18273638.43 -18273638.34 0.3778 0.1785

Mercury -54741-04-07 06:57 J -18272630.34 -18272630.21 -18272630.07 0.3600 0.1868

Mercury -54738-01-17 17:30 J -18271614.87 -18271614.77 -18271614.67 0.3782 0.0285

Mercury -54733-08-02 09:21 J -18269591.19 -18269591.11 -18269591.03 0.3785 0.2346

Mercury -54693-07-25 07:11 J -18254989.25 -18254989.20 -18254989.14 0.3775 0.3088

Mercury -54687-02-07 23:01 J -18252965.63 -18252965.54 -18252965.44 0.3779 0.1029

Mercury -54685-11-12 08:52 J -18251957.29 -18251957.13 -18251956.97 0.3598 0.0110

Mercury -54682-08-24 14:52 J -18250941.97 -18250941.88 -18250941.78 0.3783 0.1050

Mercury -54676-03-09 06:42 J -18248918.27 -18248918.22 -18248918.16 0.3786 0.3107

Mercury -54636-03-01 04:47 J -18234316.38 -18234316.30 -18234316.22 0.3776 0.2335

Mercury -54631-09-14 20:37 J -18232292.74 -18232292.64 -18232292.54 0.3780 0.0273

Mercury -54628-06-19 11:01 J -18231284.17 -18231284.04 -18231283.91 0.3597 0.2079

Mercury -54625-03-30 12:28 J -18230269.07 -18230268.98 -18230268.89 0.3783 0.1801

Mercury -54585-03-22 10:18 J -18215667.09 -18215667.07 -18215667.05 0.3774 0.3644

Mercury -54580-10-06 02:09 J -18213643.50 -18213643.41 -18213643.32 0.3777 0.1577

Mercury -54577-07-10 04:18 J -18212635.46 -18212635.32 -18212635.19 0.3601 0.1776

Mercury -54574-04-21 17:59 J -18211619.85 -18211619.75 -18211619.65 0.3781 0.0505

Mercury -54569-11-04 09:49 J -18209596.16 -18209596.09 -18209596.01 0.3784 0.2563

Mercury -54529-10-27 07:54 J -18194994.24 -18194994.17 -18194994.11 0.3774 0.2890

Mercury -54523-05-12 23:45 J -18192970.61 -18192970.51 -18192970.41 0.3778 0.0829

Mercury -54520-02-14 06:13 J -18191962.39 -18191962.24 -18191962.08 0.3599 0.0235

Mercury -54518-11-26 15:35 J -18190946.95 -18190946.85 -18190946.76 0.3782 0.1250

Mercury -54512-06-11 07:25 J -18188923.24 -18188923.19 -18188923.15 0.3785 0.3303

Mercury -54472-06-03 05:16 J -18174321.36 -18174321.28 -18174321.20 0.3775 0.2139

Mercury -54469-03-06 23:45 J -18173313.52 -18173313.51 -18173313.50 0.3603 0.3591

Mercury -54467-12-17 21:06 J -18172297.72 -18172297.62 -18172297.52 0.3779 0.0098

Mercury -54464-09-21 08:23 J -18171289.27 -18171289.15 -18171289.02 0.3598 0.2234

Mercury -54461-07-02 12:57 J -18170274.04 -18170273.96 -18170273.87 0.3782 0.2004

Mercury -54421-06-24 10:47 J -18155672.09 -18155672.05 -18155672.01 0.3772 0.3456

Mercury -54415-01-08 02:37 J -18153648.48 -18153648.39 -18153648.29 0.3776 0.1388

Mercury -54413-10-12 01:40 J -18152640.57 -18152640.43 -18152640.29 0.3602 0.1621

Mercury -54410-07-24 18:42 J -18151624.82 -18151624.72 -18151624.62 0.3780 0.0707

Mercury -54404-02-06 10:33 J -18149601.13 -18149601.06 -18149601.00 0.3783 0.2761

Mercury -54364-01-29 08:23 J -18134999.22 -18134999.15 -18134999.08 0.3773 0.2697

Mercury -54359-08-15 00:13 J -18132975.59 -18132975.49 -18132975.39 0.3777 0.0613

Mercury -54356-05-19 03:49 J -18131967.50 -18131967.34 -18131967.19 0.3601 0.0377

Mercury -54353-02-28 16:04 J -18130951.92 -18130951.83 -18130951.74 0.3781 0.1461

Mercury -54348-09-13 07:54 J -18128928.20 -18128928.17 -18128928.13 0.3784 0.3519

Mercury -54308-09-05 05:45 J -18114326.34 -18114326.26 -18114326.17 0.3774 0.1934

Mercury -54305-06-08 21:06 J -18113318.66 -18113318.62 -18113318.59 0.3604 0.3475

Mercury -54302-03-21 21:49 J -18112302.69 -18112302.59 -18112302.49 0.3778 0.0189

Mercury -54300-12-24 05:45 J -18111294.38 -18111294.26 -18111294.14 0.3599 0.2343

Mercury -54297-10-04 13:40 J -18110279.01 -18110278.93 -18110278.85 0.3782 0.2222

Mercury -54257-09-26 11:30 J -18095677.07 -18095677.02 -18095676.97 0.3771 0.3249

Mercury -54251-04-12 03:21 J -18093653.46 -18093653.36 -18093653.26 0.3775 0.1164

Mercury -54248-01-13 23:01 J -18092645.68 -18092645.54 -18092645.40 0.3603 0.1498

Mercury -54246-10-26 19:11 J -18091629.80 -18091629.70 -18091629.60 0.3779 0.0915

Mercury -54240-05-11 11:01 J -18089606.10 -18089606.04 -18089605.98 0.3783 0.2975

Mercury -54200-05-03 08:52 J -18075004.20 -18075004.13 -18075004.05 0.3773 0.2486

Mercury -54195-11-17 00:57 J -18072980.56 -18072980.46 -18072980.36 0.3776 0.0428

Mercury -54192-08-21 00:57 J -18071972.61 -18071972.46 -18071972.30 0.3602 0.0506

Mercury -54189-06-01 16:33 J -18070956.90 -18070956.81 -18070956.72 0.3780 0.1673

Mercury -54184-12-16 08:37 J -18068933.16 -18068933.14 -18068933.13 0.3783 0.3739

Mercury -54144-12-08 06:28 J -18054331.32 -18054331.23 -18054331.14 0.3774 0.1723

Mercury -54141-09-10 18:28 J -18053323.79 -18053323.73 -18053323.67 0.3606 0.3325

Mercury -54138-06-23 22:18 J -18052307.67 -18052307.57 -18052307.47 0.3777 0.0352

Mercury -54135-03-28 03:06 J -18051299.48 -18051299.37 -18051299.26 0.3600 0.2510

Mercury -54132-01-06 14:09 J -18050283.99 -18050283.91 -18050283.83 0.3781 0.2426

Mercury -54093-12-29 11:59 J -18035682.06 -18035682.00 -18035681.94 0.3771 0.3048

Mercury -54087-07-15 03:49 J -18033658.43 -18033658.34 -18033658.24 0.3774 0.0965

Mercury -54084-04-17 20:23 J -18032650.79 -18032650.65 -18032650.50 0.3604 0.1351

Mercury -54081-01-28 19:40 J -18031634.77 -18031634.68 -18031634.58 0.3778 0.1121

Mercury -54076-08-13 11:30 J -18029611.07 -18029611.02 -18029610.96 0.3782 0.3198

Mercury -54036-08-05 09:35 J -18015009.18 -18015009.10 -18015009.02 0.3772 0.2278

Mercury -54030-02-19 01:25 J -18012985.54 -18012985.44 -18012985.34 0.3775 0.0204

Mercury -54028-11-22 22:18 J -18011977.72 -18011977.57 -18011977.41 0.3603 0.0621

Mercury -54025-09-03 17:16 J -18010961.87 -18010961.78 -18010961.69 0.3779 0.1883

54TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 54th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-53985-08-26 15:06 J	-17996359.90	-17996359.87	-17996359.85	0.3769	0.3605		
Mercury	-53979-03-12 06:57 J	-17994336.30	-17994336.21	-17994336.11	0.3772	0.1511		
Mercury	-53977-12-13 15:49 J	-17993328.91	-17993328.84	-17993328.77	0.3607	0.3213		
Mercury	-53974-09-25 22:47 J	-17992312.65	-17992312.55	-17992312.45	0.3776	0.0589		
Mercury	-53971-06-30 00:28 J	-17991304.59	-17991304.48	-17991304.38	0.3602	0.2629		
Mercury	-53968-04-10 14:52 J	-17990288.95	-17990288.88	-17990288.81	0.3780	0.2656		
Mercury	-53928-04-02 12:42 J	-17975687.04	-17975686.97	-17975686.91	0.3770	0.2836		
Mercury	-53923-10-17 04:33 J	-17973663.41	-17973663.31	-17973663.21	0.3773	0.0750		
Mercury	-53920-07-20 17:45 J	-17972655.91	-17972655.76	-17972655.61	0.3605	0.1240		

Mercury -53917-05-01 20:23 J -17971639.75 -17971639.65 -17971639.56 0.3777 0.1336

Mercury -53912-11-15 12:13 J -17969616.03 -17969615.99 -17969615.95 0.3781 0.3412

Mercury -53872-11-07 10:04 J -17955014.16 -17955014.08 -17955013.99 0.3771 0.2065

Mercury -53866-05-24 01:54 J -17952990.52 -17952990.42 -17952990.32 0.3774 0.0055

Mercury -53863-02-24 19:54 J -17951982.83 -17951982.67 -17951982.52 0.3604 0.0776

Mercury -53861-12-06 17:45 J -17950966.84 -17950966.76 -17950966.67 0.3778 0.2104

Mercury -53821-11-28 15:35 J -17936364.89 -17936364.85 -17936364.81 0.3768 0.3396

Mercury -53815-06-14 07:25 J -17934341.28 -17934341.19 -17934341.09 0.3771 0.1317

Mercury -53812-03-17 13:11 J -17933334.03 -17933333.95 -17933333.87 0.3608 0.3060

Mercury -53810-12-28 23:30 J -17932317.62 -17932317.52 -17932317.42 0.3775 0.0791

Mercury -53807-10-01 21:49 J -17931309.69 -17931309.59 -17931309.49 0.3603 0.2790

Mercury -53804-07-13 15:21 J -17930293.93 -17930293.86 -17930293.80 0.3779 0.2862

Mercury -53764-07-05 13:11 J -17915692.02 -17915691.95 -17915691.88 0.3769 0.2633

Mercury -53758-01-19 05:01 J -17913668.39 -17913668.29 -17913668.19 0.3772 0.0542

Mercury -53756-10-22 15:21 J -17912661.01 -17912660.86 -17912660.71 0.3607 0.1080

Mercury -53753-08-03 20:52 J -17911644.72 -17911644.63 -17911644.54 0.3776 0.1556

Mercury -53747-02-17 12:42 J -17909620.99 -17909620.97 -17909620.94 0.3780 0.3624

Mercury -53707-02-09 10:33 J -17895019.14 -17895019.06 -17895018.97 0.3769 0.1864

Mercury -53702-08-26 02:37 J -17892995.50 -17892995.39 -17892995.29 0.3773 0.0273

Mercury -53699-05-29 17:16 J -17891987.93 -17891987.78 -17891987.63 0.3605 0.0919

Mercury -53696-03-10 18:28 J -17890971.81 -17890971.73 -17890971.65 0.3777 0.2322

Mercury -53656-03-02 16:18 J -17876369.88 -17876369.82 -17876369.77 0.3767 0.3188

Mercury -53651-09-16 08:09 J -17874346.26 -17874346.16 -17874346.06 0.3770 0.1093

Mercury -53648-06-19 10:33 J -17873339.15 -17873339.06 -17873338.97 0.3609 0.2935

Mercury -53645-03-31 23:59 J -17872322.59 -17872322.50 -17872322.40 0.3774 0.1011

Mercury -53642-01-03 19:11 J -17871314.79 -17871314.70 -17871314.61 0.3604 0.2909

Mercury -53640-10-15 15:49 J -17870298.89 -17870298.84 -17870298.78 0.3778 0.3085

Mercury -53600-10-07 13:40 J -17855697.01 -17855696.93 -17855696.85 0.3768 0.2416

Mercury -53594-04-23 05:30 J -17853673.37 -17853673.27 -17853673.16 0.3772 0.0362

Mercury -53591-01-24 12:42 J -17852666.13 -17852665.97 -17852665.82 0.3608 0.0945

Mercury -53589-11-05 21:35 J -17851649.69 -17851649.60 -17851649.51 0.3775 0.1777

Mercury -53549-10-28 19:11 J -17837047.70 -17837047.70 -17837047.69 0.3765 0.3744

Mercury -53543-05-14 11:16 J -17835024.12 -17835024.03 -17835023.94 0.3769 0.1652

Mercury -53538-11-28 03:06 J -17833000.47 -17833000.37 -17833000.27 0.3773 0.0455

Mercury -53535-08-31 14:37 J -17831993.04 -17831992.89 -17831992.74 0.3606 0.1063

Mercury -53532-06-12 18:57 J -17830976.78 -17830976.71 -17830976.64 0.3776 0.2529

Mercury -53492-06-04 16:47 J -17816374.86 -17816374.80 -17816374.74 0.3766 0.2984

Mercury -53487-12-19 08:37 J -17814351.24 -17814351.14 -17814351.04 0.3770 0.0881

Mercury -53484-09-21 08:09 J -17813344.26 -17813344.16 -17813344.06 0.3611 0.2761

Mercury -53481-07-04 00:28 J -17812327.57 -17812327.48 -17812327.38 0.3773 0.1224

Mercury -53478-04-07 16:33 J -17811319.89 -17811319.81 -17811319.73 0.3605 0.3078

Mercury -53475-01-17 16:18 J -17810303.86 -17810303.82 -17810303.77 0.3777 0.3304

Mercury -53435-01-09 14:09 J -17795701.99 -17795701.91 -17795701.82 0.3767 0.2211

Mercury -53430-07-26 06:13 J -17793678.34 -17793678.24 -17793678.14 0.3770 0.0128

Mercury -53427-04-28 10:04 J -17792671.23 -17792671.08 -17792670.93 0.3609 0.0783

Mercury -53424-02-07 22:04 J -17791654.67 -17791654.58 -17791654.50 0.3774 0.1983

Mercury -53384-01-30 19:40 J -17777052.71 -17777052.68 -17777052.64 0.3763 0.3548

Mercury -53379-08-16 11:45 J -17775029.10 -17775029.01 -17775028.92 0.3768 0.1429

Mercury -53373-03-01 03:35 J -17773005.45 -17773005.35 -17773005.25 0.3771 0.0683

Mercury -53371-12-03 11:59 J -17771998.15 -17771998.00 -17771997.86 0.3608 0.1185

Mercury -53368-09-14 19:25 J -17770981.75 -17770981.69 -17770981.62 0.3775 0.2761

Mercury -53328-09-06 17:16 J -17756379.85 -17756379.78 -17756379.71 0.3765 0.2764

Mercury -53322-03-23 09:21 J -17754356.21 -17754356.11 -17754356.01 0.3769 0.0657

Mercury -53320-12-24 05:30 J -17753349.37 -17753349.27 -17753349.16 0.3612 0.2641

Mercury -53317-10-06 01:11 J -17752332.54 -17752332.45 -17752332.36 0.3772 0.1443

Mercury -53314-07-10 13:54 J -17751324.99 -17751324.92 -17751324.85 0.3607 0.3191

Mercury -53311-04-21 17:01 J -17750308.82 -17750308.79 -17750308.76 0.3776 0.3532

Mercury -53271-04-13 14:52 J -17735706.97 -17735706.88 -17735706.80 0.3766 0.1984

Mercury -53266-10-28 06:42 J -17733683.32 -17733683.22 -17733683.12 0.3769 0.0155

Mercury -53263-07-31 07:25 J -17732676.34 -17732676.19 -17732676.04 0.3610 0.0660

Mercury -53260-05-12 22:33 J -17731659.64 -17731659.56 -17731659.48 0.3773 0.2213

Mercury -53220-05-04 20:23 J -17717057.70 -17717057.65 -17717057.61 0.3763 0.3324

Mercury -53215-11-18 12:13 J -17715034.08 -17715033.99 -17715033.89 0.3767 0.1219

Mercury -53209-06-03 04:18 J -17713010.42 -17713010.32 -17713010.23 0.3771 0.0897

Mercury -53206-03-07 09:21 J -17712003.25 -17712003.11 -17712002.96 0.3609 0.1340

Mercury -53204-12-17 20:09 J -17710986.72 -17710986.66 -17710986.60 0.3774 0.2983

Mercury -53164-12-09 17:59 J -17696384.83 -17696384.75 -17696384.68 0.3764 0.2552

Mercury -53158-06-25 09:49 J -17694361.19 -17694361.09 -17694360.99 0.3768 0.0447

Mercury -53155-03-28 03:06 J -17693354.48 -17693354.37 -17693354.26 0.3613 0.2477

Mercury -53152-01-08 01:40 J -17692337.52 -17692337.43 -17692337.34 0.3771 0.1659

Mercury -53150-10-12 11:16 J -17691330.08 -17691330.03 -17691329.97 0.3608 0.3363

Mercury -53147-07-24 17:30 J -17690313.77 -17690313.77 -17690313.76 0.3775 0.3753

Mercury -53107-07-16 15:21 J -17675711.95 -17675711.86 -17675711.77 0.3765 0.1772

Mercury -53101-01-30 07:11 J -17673688.30 -17673688.20 -17673688.09 0.3768 0.0363

Mercury -53099-11-02 04:47 J -17672681.45 -17672681.30 -17672681.14 0.3612 0.0515

Mercury -53096-08-14 23:16 J -17671664.61 -17671664.53 -17671664.46 0.3772 0.2439

Mercury -53056-08-06 20:52 J -17657062.68 -17657062.63 -17657062.57 0.3761 0.3105

Mercury -53050-02-20 12:57 J -17655039.06 -17655038.96 -17655038.86 0.3765 0.0996

Mercury -53045-09-05 04:47 J -17653015.40 -17653015.30 -17653015.20 0.3769 0.1114

Mercury -53042-06-09 06:42 J -17652008.36 -17652008.22 -17652008.07 0.3610 0.1492

Mercury -53039-03-21 20:37 J -17650991.69 -17650991.64 -17650991.59 0.3773 0.3216

53RD MILLENNIUM BCE

This is a list of transits visible from Venus in the 53rd millennium BCE.

PLANET	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
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TRANSIT

TIME

Mercury -52999-03-13 18:28 J -17636389.81 -17636389.73 -17636389.65 0.3762 0.2324
Mercury -52994-09-27 10:18 J -17634366.17 -17634366.07 -17634365.96 0.3766 0.0251
Mercury -52991-06-30 00:28 J -17633359.60 -17633359.48 -17633359.36 0.3614 0.2349
Mercury -52988-04-12 02:23 J -17632342.49 -17632342.40 -17632342.32 0.3771 0.1896
Mercury -52985-01-14 08:37 J -17631335.17 -17631335.14 -17631335.10 0.3609 0.3507
Mercury -52948-04-03 23:59 J -17617740.52 -17617740.50 -17617740.48 0.3760 0.3663
Mercury -52943-10-18 16:04 J -17615716.93 -17615716.83 -17615716.74 0.3764 0.1553
Mercury -52937-05-03 07:54 J -17613693.27 -17613693.17 -17613693.07 0.3768 0.0565
Mercury -52934-02-04 02:23 J -17612686.56 -17612686.40 -17612686.25 0.3613 0.0378
Mercury -52932-11-16 23:45 J -17611669.58 -17611669.51 -17611669.44 0.3771 0.2669
Mercury -52892-11-08 21:35 J -17597067.67 -17597067.60 -17597067.54 0.3761 0.2887
Mercury -52886-05-25 13:25 J -17595044.04 -17595043.94 -17595043.84 0.3765 0.0773
Mercury -52881-12-08 05:16 J -17593020.37 -17593020.28 -17593020.18 0.3769 0.1350
Mercury -52878-09-11 04:18 J -17592013.46 -17592013.32 -17592013.18 0.3612 0.1654
Mercury -52875-06-23 21:06 J -17590996.65 -17590996.62 -17590996.58 0.3772 0.3432
Mercury -52835-06-15 18:57 J -17576394.79 -17576394.71 -17576394.63 0.3762 0.2115
Mercury -52830-12-30 11:01 J -17574371.15 -17574371.04 -17574370.94 0.3766 0.0132
Mercury -52827-10-01 22:04 J -17573364.71 -17573364.58 -17573364.46 0.3616 0.2178
Mercury -52824-07-15 02:52 J -17572347.46 -17572347.38 -17572347.30 0.3769 0.2113
Mercury -52784-07-07 00:28 J -17557745.52 -17557745.48 -17557745.44 0.3758 0.3455
Mercury -52778-01-20 16:33 J -17555721.91 -17555721.81 -17555721.72 0.3763 0.1334
Mercury -52773-08-05 08:23 J -17553698.25 -17553698.15 -17553698.05 0.3766 0.0793
Mercury -52770-05-08 23:45 J -17552691.66 -17552691.51 -17552691.35 0.3614 0.0208
Mercury -52767-02-19 00:13 J -17551674.55 -17551674.49 -17551674.42 0.3770 0.2891
Mercury -52727-02-10 22:04 J -17537072.65 -17537072.58 -17537072.51 0.3759 0.2673
Mercury -52722-08-27 13:54 J -17535049.02 -17535048.92 -17535048.81 0.3764 0.0567
Mercury -52716-03-12 05:59 J -17533025.34 -17533025.25 -17533025.16 0.3767 0.1571
Mercury -52714-12-14 01:40 J -17532018.57 -17532018.43 -17532018.30 0.3613 0.1787

Mercury -52711-09-25 21:49 J -17531001.61 -17531001.59 -17531001.57 0.3771 0.3664

Mercury -52671-09-17 19:40 J -17516399.77 -17516399.68 -17516399.60 0.3760 0.1893

Mercury -52665-04-02 11:30 J -17514376.12 -17514376.02 -17514375.92 0.3764 0.0244

Mercury -52662-01-03 19:25 J -17513369.82 -17513369.69 -17513369.57 0.3617 0.2047

Mercury -52660-10-17 03:21 J -17512352.43 -17512352.36 -17512352.28 0.3768 0.2351

Mercury -52620-10-09 01:11 J -17497750.50 -17497750.45 -17497750.40 0.3757 0.3231

Mercury -52614-04-24 17:01 J -17495726.88 -17495726.79 -17495726.69 0.3762 0.1102

Mercury -52609-11-07 09:06 J -17493703.22 -17493703.12 -17493703.03 0.3766 0.1027

Mercury -52606-08-10 21:21 J -17492696.77 -17492696.61 -17492696.46 0.3615 0.0109

Mercury -52603-05-24 00:57 J -17491679.52 -17491679.46 -17491679.41 0.3770 0.3119

Mercury -52563-05-15 22:33 J -17477077.63 -17477077.56 -17477077.48 0.3759 0.2445

Mercury -52558-11-29 14:37 J -17475053.99 -17475053.89 -17475053.79 0.3763 0.0318

Mercury -52552-06-14 06:28 J -17473030.32 -17473030.23 -17473030.14 0.3767 0.1791

Mercury -52549-03-16 23:01 J -17472023.67 -17472023.54 -17472023.41 0.3614 0.1955

Mercury -52507-12-20 20:09 J -17456404.75 -17456404.66 -17456404.57 0.3760 0.1660

Mercury -52501-07-05 11:59 J -17454381.10 -17454381.00 -17454380.90 0.3763 0.0466

Mercury -52498-04-07 17:01 J -17453374.92 -17453374.79 -17453374.66 0.3618 0.1861

Mercury -52495-01-19 04:04 J -17452357.41 -17452357.33 -17452357.26 0.3767 0.2575

Mercury -52455-01-11 01:40 J -17437755.49 -17437755.43 -17437755.37 0.3756 0.3012

Mercury -52450-07-27 17:30 J -17435731.86 -17435731.77 -17435731.67 0.3760 0.0888

Mercury -52444-02-09 09:35 J -17433708.20 -17433708.10 -17433708.01 0.3764 0.1243

Mercury -52442-11-12 18:42 J -17432701.88 -17432701.72 -17432701.57 0.3617 0.0106

Mercury -52439-08-26 01:25 J -17431684.48 -17431684.44 -17431684.39 0.3768 0.3356

Mercury -52399-08-17 23:16 J -17417082.62 -17417082.53 -17417082.45 0.3757 0.2221

Mercury -52393-03-02 15:06 J -17415058.97 -17415058.87 -17415058.77 0.3761 0.0094

Mercury -52388-09-16 06:57 J -17413035.29 -17413035.21 -17413035.12 0.3765 0.2035

Mercury -52385-06-18 20:23 J -17412028.77 -17412028.65 -17412028.52 0.3616 0.2102

Mercury -52348-09-08 04:33 J -17398433.33 -17398433.31 -17398433.28 0.3754 0.3575

Mercury -52342-03-24 20:37 J -17396409.73 -17396409.64 -17396409.54 0.3758 0.1429

Mercury -52337-10-07 12:42 J -17394386.07 -17394385.97 -17394385.87 0.3762 0.0703

Mercury -52334-07-10 14:23 J -17393380.04 -17393379.90 -17393379.77 0.3620 0.1725

Mercury -52331-04-23 04:33 J -17392362.37 -17392362.31 -17392362.24 0.3767 0.2814

Mercury -52291-04-15 02:09 J -17377760.48 -17377760.41 -17377760.34 0.3755 0.2775

Mercury -52286-10-29 18:13 J -17375736.84 -17375736.74 -17375736.64 0.3759 0.0641

Mercury -52280-05-14 10:04 J -17373713.17 -17373713.08 -17373712.98 0.3764 0.1481

Mercury -52277-02-14 16:04 J -17372706.98 -17372706.83 -17372706.67 0.3618 0.0273

Mercury -52275-11-28 02:09 J -17371689.44 -17371689.41 -17371689.39 0.3768 0.3595

Mercury -52235-11-19 23:45 J -17357087.60 -17357087.51 -17357087.42 0.3756 0.1986

Mercury -52229-06-04 15:35 J -17355063.95 -17355063.85 -17355063.74 0.3761 0.0174

Mercury -52226-03-07 10:04 J -17354058.11 -17354058.08 -17354058.04 0.3622 0.3519

Mercury -52224-12-19 07:40 J -17353040.26 -17353040.18 -17353040.10 0.3765 0.2262

Mercury -52221-09-20 17:59 J -17352033.87 -17352033.75 -17352033.63 0.3617 0.2271

Mercury -52184-12-11 05:16 J -17338438.33 -17338438.28 -17338438.24 0.3753 0.3344

Mercury -52178-06-26 21:06 J -17336414.71 -17336414.62 -17336414.52 0.3757 0.1214

Mercury -52172-01-09 13:11 J -17334391.05 -17334390.95 -17334390.85 0.3762 0.0926

Mercury -52170-10-12 11:59 J -17333385.14 -17333385.00 -17333384.86 0.3621 0.1549

Mercury -52167-07-26 05:01 J -17332367.34 -17332367.29 -17332367.23 0.3765 0.3045

Mercury -52127-07-18 02:37 J -17317765.46 -17317765.39 -17317765.31 0.3754 0.2557

Mercury -52121-01-31 18:42 J -17315741.82 -17315741.72 -17315741.62 0.3758 0.0420

Mercury -52116-08-16 10:47 J -17313718.14 -17313718.05 -17313717.96 0.3762 0.1720

Mercury -52113-05-18 13:40 J -17312712.08 -17312711.93 -17312711.77 0.3620 0.0440

Mercury -52070-02-22 00:13 J -17297092.58 -17297092.49 -17297092.40 0.3755 0.1761

Mercury -52065-09-06 16:18 J -17295068.92 -17295068.82 -17295068.72 0.3759 0.0389

Mercury -52062-06-09 07:40 J -17294063.23 -17294063.18 -17294063.12 0.3624 0.3350

Mercury -52059-03-23 08:09 J -17293045.23 -17293045.16 -17293045.08 0.3763 0.2505

Mercury -52057-12-23 15:21 J -17292038.97 -17292038.86 -17292038.74 0.3618 0.2405

Mercury -52019-03-15 05:45 J -17278443.31 -17278443.26 -17278443.20 0.3752 0.3109

Mercury -52014-09-28 21:49 J -17276419.69 -17276419.59 -17276419.49 0.3756 0.0974

Mercury -52008-04-13 13:40 J -17274396.02 -17274395.93 -17274395.83 0.3760 0.1181

Mercury -52005-01-14 09:21 J -17273390.25 -17273390.11 -17273389.97 0.3622 0.1400

Mercury -52003-10-28 05:45 J -17272372.31 -17272372.26 -17272372.21 0.3764 0.3285

52ND MILLENNIUM BCE

This is a list of transits visible from Venus in the 52nd millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-51963-10-20 03:21 J	-17257770.44	-17257770.36	-17257770.28	0.3753	0.2319		
Mercury	-51957-05-04 19:11 J	-17255746.80	-17255746.70	-17255746.59	0.3757	0.0234		
Mercury	-51952-11-18 11:16 J	-17253723.12	-17253723.03	-17253722.94	0.3761	0.1954		
Mercury	-51949-08-20 11:01 J	-17252717.19	-17252717.04	-17252716.88	0.3621	0.0593		
Mercury	-51912-11-10 08:52 J	-17239121.15	-17239121.13	-17239121.12	0.3750	0.3676		
Mercury	-51906-05-27 00:42 J	-17237097.56	-17237097.47	-17237097.37	0.3754	0.1534		
Mercury	-51901-12-09 16:47 J	-17235073.90	-17235073.80	-17235073.70	0.3758	0.0616		
Mercury	-51898-09-11 05:16 J	-17234068.35	-17234068.28	-17234068.21	0.3625	0.3179		
Mercury	-51895-06-25 08:37 J	-17233050.21	-17233050.14	-17233050.07	0.3762	0.2730		
Mercury	-51892-03-27 12:57 J	-17232044.07	-17232043.96	-17232043.85	0.3619	0.2586		
Mercury	-51855-06-17 06:13 J	-17218448.30	-17218448.24	-17218448.17	0.3751	0.2892		
Mercury	-51850-12-31 22:18 J	-17216424.67	-17216424.57	-17216424.47	0.3755	0.0737		
Mercury	-51844-07-16 14:23 J	-17214401.00	-17214400.90	-17214400.81	0.3759	0.1404		
Mercury	-51841-04-17 06:57 J	-17213395.35	-17213395.21	-17213395.06	0.3624	0.1215		
Mercury	-51838-01-30 06:13 J	-17212377.27	-17212377.24	-17212377.21	0.3763	0.3516		
Mercury	-51798-01-22 03:49 J	-17197775.43	-17197775.34	-17197775.26	0.3752	0.2092		
Mercury	-51793-08-06 19:54 J	-17195751.78	-17195751.67	-17195751.57	0.3756	0.0116		

Mercury -51787-02-20 11:45 J -17193728.09 -17193728.01 -17193727.93 0.3760 0.2185

Mercury -51785-11-22 08:37 J -17192722.29 -17192722.14 -17192721.99 0.3622 0.0738

Mercury -51747-02-12 09:21 J -17179126.15 -17179126.11 -17179126.08 0.3749 0.3454

Mercury -51742-08-29 01:25 J -17177102.54 -17177102.44 -17177102.35 0.3753 0.1296

Mercury -51736-03-13 17:16 J -17175078.88 -17175078.78 -17175078.68 0.3757 0.0865

Mercury -51734-12-14 02:52 J -17174073.47 -17174073.38 -17174073.30 0.3627 0.3038

Mercury -51731-09-27 09:21 J -17173055.17 -17173055.11 -17173055.05 0.3761 0.2974

Mercury -51728-06-29 10:18 J -17172049.17 -17172049.07 -17172048.97 0.3621 0.2741

Mercury -51691-09-19 06:57 J -17158453.29 -17158453.21 -17158453.14 0.3750 0.2656

Mercury -51685-04-03 22:47 J -17156429.65 -17156429.55 -17156429.44 0.3754 0.0516

Mercury -51680-10-18 14:52 J -17154405.97 -17154405.88 -17154405.79 0.3758 0.1643

Mercury -51677-07-20 04:18 J -17153400.46 -17153400.32 -17153400.17 0.3625 0.1087

Mercury -51634-04-26 04:18 J -17137780.41 -17137780.32 -17137780.23 0.3751 0.1853

Mercury -51629-11-08 20:23 J -17135756.75 -17135756.65 -17135756.55 0.3755 0.0305

Mercury -51623-05-25 12:28 J -17133733.06 -17133732.98 -17133732.91 0.3759 0.2432

Mercury -51620-02-24 06:13 J -17132727.39 -17132727.24 -17132727.09 0.3624 0.0914

Mercury -51583-05-17 09:49 J -17119131.14 -17119131.09 -17119131.04 0.3748 0.3216

Mercury -51578-12-01 01:54 J -17117107.52 -17117107.42 -17117107.32 0.3752 0.1051

Mercury -51572-06-15 17:59 J -17115083.85 -17115083.75 -17115083.66 0.3756 0.1095

Mercury -51569-03-17 00:28 J -17114078.58 -17114078.48 -17114078.39 0.3628 0.2850

Mercury -51567-12-30 09:49 J -17113060.14 -17113060.09 -17113060.04 0.3760 0.3219

Mercury -51564-10-01 07:54 J -17112054.26 -17112054.17 -17112054.08 0.3622 0.2927

Mercury -51527-12-22 07:25 J -17098458.27 -17098458.19 -17098458.11 0.3749 0.2416

Mercury -51521-07-06 23:30 J -17096434.63 -17096434.52 -17096434.42 0.3753 0.0311

Mercury -51515-01-20 15:21 J -17094410.95 -17094410.86 -17094410.77 0.3757 0.1878

Mercury -51513-10-22 02:09 J -17093405.56 -17093405.41 -17093405.26 0.3627 0.0895

Mercury -51470-07-29 05:01 J -17077785.39 -17077785.29 -17077785.20 0.3750 0.1624

Mercury -51464-02-10 20:52 J -17075761.73 -17075761.63 -17075761.53 0.3754 0.0536

Mercury -51459-08-27 12:57 J -17073738.03 -17073737.96 -17073737.89 0.3758 0.2674

Mercury -51456-05-29 03:49 J -17072732.49 -17072732.34 -17072732.20 0.3625 0.1098

Mercury -51419-08-19 10:18 J -17059136.13 -17059136.07 -17059136.01 0.3747 0.2976

Mercury -51413-03-04 02:23 J -17057112.50 -17057112.40 -17057112.30 0.3751 0.0818

Mercury -51408-09-17 18:28 J -17055088.83 -17055088.73 -17055088.64 0.3755 0.1332

Mercury -51405-06-18 22:04 J -17054083.69 -17054083.58 -17054083.48 0.3629 0.2688

Mercury -51402-04-03 10:33 J -17053065.10 -17053065.06 -17053065.03 0.3759 0.3473

Mercury -51399-01-03 05:16 J -17052059.36 -17052059.28 -17052059.20 0.3623 0.3067

Mercury -51362-03-26 07:54 J -17038463.25 -17038463.17 -17038463.09 0.3748 0.2172

Mercury -51357-10-08 23:59 J -17036439.60 -17036439.50 -17036439.40 0.3752 0.0016

Mercury -51351-04-24 16:04 J -17034415.92 -17034415.83 -17034415.75 0.3756 0.2132

Mercury -51348-01-23 23:30 J -17033410.67 -17033410.52 -17033410.37 0.3628 0.0726

Mercury -51311-04-16 13:25 J -17019813.97 -17019813.94 -17019813.91 0.3744 0.3539

Mercury -51306-10-31 05:30 J -17017790.37 -17017790.27 -17017790.18 0.3749 0.1370

Mercury -51300-05-15 21:35 J -17015766.70 -17015766.60 -17015766.50 0.3753 0.0794

Mercury -51295-11-29 13:25 J -17013743.00 -17013742.94 -17013742.87 0.3757 0.2925

Mercury -51292-08-31 01:11 J -17012737.59 -17012737.45 -17012737.30 0.3626 0.1261

Mercury -51255-11-21 11:01 J -16999141.11 -16999141.04 -16999140.98 0.3746 0.2739

Mercury -51249-06-06 02:52 J -16997117.48 -16997117.38 -16997117.27 0.3750 0.0596

Mercury -51244-12-20 18:57 J -16995093.80 -16995093.71 -16995093.61 0.3754 0.1579

Mercury -51241-09-20 19:40 J -16994088.79 -16994088.68 -16994088.57 0.3631 0.2492

Mercury -51238-07-06 11:01 J -16993070.06 -16993070.04 -16993070.03 0.3758 0.3702

Mercury -51235-04-07 02:52 J -16992064.44 -16992064.38 -16992064.31 0.3625 0.3255

Mercury -51198-06-28 08:23 J -16978468.24 -16978468.15 -16978468.06 0.3747 0.1945

Mercury -51192-01-11 00:28 J -16976444.58 -16976444.48 -16976444.38 0.3751 0.0229

Mercury -51187-07-27 16:33 J -16974420.89 -16974420.81 -16974420.73 0.3755 0.2371

Mercury -51184-04-27 21:21 J -16973415.77 -16973415.61 -16973415.46 0.3629 0.0534

Mercury -51147-07-19 13:54 J -16959818.97 -16959818.92 -16959818.88 0.3743 0.3307

Mercury -51141-02-02 05:59 J -16957795.35 -16957795.25 -16957795.15 0.3748 0.1136

Mercury -51136-08-17 22:04 J -16955771.68 -16955771.58 -16955771.48 0.3752 0.1028

Mercury -51130-03-03 13:54 J -16953747.97 -16953747.92 -16953747.86 0.3756 0.3168

Mercury -51128-12-02 22:47 J -16952742.69 -16952742.55 -16952742.41 0.3628 0.1416

Mercury -51090-02-23 11:30 J -16939146.10 -16939146.02 -16939145.95 0.3744 0.2503

Mercury -51085-09-08 03:35 J -16937122.45 -16937122.35 -16937122.25 0.3749 0.0333

Mercury -51079-03-24 19:40 J -16935098.77 -16935098.68 -16935098.59 0.3753 0.1832

Mercury -51077-12-23 17:16 J -16934093.90 -16934093.78 -16934093.67 0.3632 0.2334

Mercury -51071-07-10 00:28 J -16932069.53 -16932069.48 -16932069.43 0.3626 0.3403

Mercury -51034-09-30 09:06 J -16918473.22 -16918473.12 -16918473.03 0.3745 0.1700

Mercury -51028-04-15 01:11 J -16916449.56 -16916449.45 -16916449.35 0.3750 0.0501

Mercury -51023-10-29 17:01 J -16914425.86 -16914425.79 -16914425.72 0.3754 0.2625

Mercury -51020-07-30 18:42 J -16913420.87 -16913420.72 -16913420.57 0.3631 0.0389

51ST MILLENNIUM BCE

This is a list of transits visible from Venus in the 51st millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-50983-10-21 14:23 J	-16899823.95	-16899823.90	-16899823.84	0.3742	0.3063		
Mercury	-50977-05-06 06:28 J	-16897800.33	-16897800.23	-16897800.13	0.3747	0.0894		
Mercury	-50972-11-19 22:33 J	-16895776.65	-16895776.56	-16895776.46	0.3751	0.1279		
Mercury	-50966-06-05 14:37 J	-16893752.93	-16893752.89	-16893752.85	0.3755	0.3411		
Mercury	-50963-03-06 20:23 J	-16892747.79	-16892747.65	-16892747.52	0.3629	0.1593		
Mercury	-50926-05-28 11:59 J	-16879151.08	-16879151.00	-16879150.92	0.3743	0.2257		
Mercury	-50921-12-11 04:04 J	-16877127.43	-16877127.33	-16877127.23	0.3748	0.0085		
Mercury	-50915-06-26 20:09 J	-16875103.75	-16875103.66	-16875103.58	0.3752	0.2069		
Mercury	-50912-03-27 14:52 J	-16874099.00	-16874098.88	-16874098.76	0.3633	0.2138		
Mercury	-50907-10-11 22:04 J	-16872074.60	-16872074.58	-16872074.57	0.3628	0.3595		

Mercury -50875-06-18 17:16 J -16860501.80 -16860501.78 -16860501.76 0.3740 0.3642

Mercury -50869-01-02 09:35 J -16858478.20 -16858478.10 -16858478.01 0.3744 0.1450

Mercury -50864-07-18 01:40 J -16856454.53 -16856454.43 -16856454.33 0.3749 0.0723

Mercury -50858-01-31 17:30 J -16854430.83 -16854430.77 -16854430.70 0.3753 0.2870

Mercury -50856-11-01 16:18 J -16853425.97 -16853425.82 -16853425.66 0.3632 0.0205

Mercury -50818-01-23 14:52 J -16839828.94 -16839828.88 -16839828.81 0.3741 0.2826

Mercury -50813-08-08 07:11 J -16837805.31 -16837805.20 -16837805.10 0.3745 0.0657

Mercury -50807-02-21 23:01 J -16835781.63 -16835781.54 -16835781.44 0.3750 0.1523

Mercury -50802-09-07 15:06 J -16833757.89 -16833757.87 -16833757.85 0.3754 0.3668

Mercury -50799-06-08 17:59 J -16832752.89 -16832752.75 -16832752.62 0.3631 0.1776

Mercury -50762-08-30 12:28 J -16819156.06 -16819155.98 -16819155.89 0.3742 0.2007

Mercury -50756-03-15 04:33 J -16817132.41 -16817132.31 -16817132.20 0.3746 0.0199

Mercury -50751-09-28 20:37 J -16815108.72 -16815108.64 -16815108.56 0.3751 0.2323

Mercury -50748-06-29 12:28 J -16814104.11 -16814103.98 -16814103.86 0.3635 0.1976

Mercury -50711-09-20 17:59 J -16800506.79 -16800506.75 -16800506.71 0.3739 0.3390

Mercury -50705-04-05 10:04 J -16798483.18 -16798483.08 -16798482.98 0.3743 0.1194

Mercury -50700-10-20 02:09 J -16796459.51 -16796459.41 -16796459.31 0.3748 0.0972

Mercury -50694-05-05 18:13 J -16794435.80 -16794435.74 -16794435.69 0.3752 0.3126

Mercury -50691-02-03 13:54 J -16793431.07 -16793430.92 -16793430.77 0.3633 0.0038

Mercury -50654-04-27 15:35 J -16779833.93 -16779833.85 -16779833.78 0.3740 0.2570

Mercury -50649-11-10 07:40 J -16777810.28 -16777810.18 -16777810.08 0.3744 0.0387

Mercury -50643-05-26 23:45 J -16775786.60 -16775786.51 -16775786.42 0.3749 0.1777

Mercury -50635-09-10 15:35 J -16772757.98 -16772757.85 -16772757.72 0.3632 0.1958

Mercury -50598-12-02 13:11 J -16759161.05 -16759160.95 -16759160.86 0.3741 0.1763

Mercury -50592-06-17 05:01 J -16757137.39 -16757137.29 -16757137.18 0.3745 0.0438

Mercury -50587-12-31 21:06 J -16755113.69 -16755113.62 -16755113.54 0.3750 0.2581

Mercury -50584-10-01 10:04 J -16754109.21 -16754109.08 -16754108.94 0.3636 0.1771

Mercury -50547-12-23 18:28 J -16740511.78 -16740511.73 -16740511.68 0.3738 0.3140

Mercury -50541-07-08 10:33 J -16738488.16 -16738488.06 -16738487.96 0.3742 0.0956

Mercury -50535-01-22 02:37 J -16736464.49 -16736464.39 -16736464.29 0.3747 0.1222

Mercury -50530-08-07 18:42 J -16734440.76 -16734440.72 -16734440.68 0.3751 0.3377

Mercury -50527-05-08 11:45 J -16733436.17 -16733436.01 -16733435.86 0.3635 0.0208

Mercury -50490-07-30 16:04 J -16719838.91 -16719838.83 -16719838.75 0.3739 0.2325

Mercury -50484-02-12 08:09 J -16717815.26 -16717815.16 -16717815.06 0.3743 0.0148

Mercury -50479-08-29 00:13 J -16715791.58 -16715791.49 -16715791.40 0.3748 0.2030

Mercury -50476-05-29 06:28 J -16714787.27 -16714787.23 -16714787.20 0.3639 0.3508

Mercury -50471-12-13 12:57 J -16712763.08 -16712762.96 -16712762.83 0.3633 0.2123

Mercury -50439-08-20 21:21 J -16701189.62 -16701189.61 -16701189.60 0.3735 0.3708

Mercury -50433-03-05 13:40 J -16699166.03 -16699165.93 -16699165.84 0.3740 0.1515

Mercury -50428-09-19 05:45 J -16697142.36 -16697142.26 -16697142.16 0.3744 0.0676

Mercury -50422-04-04 21:49 J -16695118.66 -16695118.59 -16695118.53 0.3749 0.2839

Mercury -50419-01-03 07:40 J -16694114.31 -16694114.18 -16694114.04 0.3638 0.1609

Mercury -50382-03-27 18:57 J -16680516.77 -16680516.71 -16680516.64 0.3736 0.2884

Mercury -50377-10-10 11:01 J -16678493.14 -16678493.04 -16678492.93 0.3741 0.0715

Mercury -50371-04-26 03:21 J -16676469.46 -16676469.36 -16676469.27 0.3745 0.1490

Mercury -50366-11-09 19:11 J -16674445.72 -16674445.70 -16674445.67 0.3750 0.3640

Mercury -50363-08-10 09:06 J -16673441.27 -16673441.12 -16673440.97 0.3636 0.0349

Mercury -50326-11-01 16:33 J -16659843.89 -16659843.81 -16659843.72 0.3738 0.2068

Mercury -50320-05-17 08:37 J -16657820.24 -16657820.14 -16657820.03 0.3742 0.0145

Mercury -50315-12-01 00:42 J -16655796.55 -16655796.47 -16655796.39 0.3747 0.2292

Mercury -50312-08-31 04:04 J -16654792.39 -16654792.33 -16654792.27 0.3641 0.3323

Mercury -50306-03-17 10:47 J -16652768.17 -16652768.05 -16652767.94 0.3635 0.2313

Mercury -50275-11-22 21:49 J -16641194.62 -16641194.59 -16641194.55 0.3734 0.3457

Mercury -50269-06-07 14:09 J -16639171.01 -16639170.91 -16639170.82 0.3739 0.1265

Mercury -50264-12-22 06:13 J -16637147.34 -16637147.24 -16637147.14 0.3743 0.0929

Mercury -50258-07-07 22:18 J -16635123.63 -16635123.57 -16635123.52 0.3747 0.3082

Mercury -50255-04-07 05:30 J -16634119.41 -16634119.27 -16634119.13 0.3639 0.1403

Mercury -50218-06-29 19:25 J -16620521.76 -16620521.69 -16620521.62 0.3735 0.2647

Mercury -50212-01-12 11:45 J -16618498.12 -16618498.01 -16618497.91 0.3740 0.0466

Mercury -50207-07-29 03:49 J -16616474.43 -16616474.34 -16616474.25 0.3744 0.1735

Mercury -50199-11-12 06:57 J -16613446.36 -16613446.21 -16613446.06 0.3638 0.0543

Mercury -50161-02-03 17:01 J -16599848.88 -16599848.79 -16599848.70 0.3736 0.1823

Mercury -50156-08-19 09:06 J -16597825.22 -16597825.12 -16597825.01 0.3741 0.0410

Mercury -50150-03-05 01:11 J -16595801.52 -16595801.45 -16595801.37 0.3745 0.2545

Mercury -50148-12-03 01:40 J -16594797.50 -16594797.43 -16594797.36 0.3642 0.3146

Mercury -50142-06-19 08:23 J -16592773.26 -16592773.15 -16592773.04 0.3636 0.2497

Mercury -50110-02-24 22:18 J -16581199.62 -16581199.57 -16581199.51 0.3733 0.3214

Mercury -50105-09-09 14:37 J -16579175.99 -16579175.89 -16579175.79 0.3738 0.1000

Mercury -50099-03-26 06:42 J -16577152.31 -16577152.22 -16577152.12 0.3742 0.1195

Mercury -50094-10-09 22:47 J -16575128.59 -16575128.55 -16575128.50 0.3746 0.3349

Mercury -50091-07-10 03:06 J -16574124.51 -16574124.37 -16574124.23 0.3641 0.1225

Mercury -50054-10-01 19:54 J -16560526.74 -16560526.67 -16560526.59 0.3734 0.2390

Mercury -50048-04-16 12:13 J -16558503.09 -16558502.99 -16558502.89 0.3739 0.0179

Mercury -50043-10-31 04:18 J -16556479.41 -16556479.32 -16556479.23 0.3743 0.1998

Mercury -50034-02-14 04:33 J -16553451.46 -16553451.31 -16553451.16 0.3639 0.0720

50TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 50th millennium BCE.

PLANET	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
TRANSIT								
TIME								

Mercury -49997-05-07 17:30 J -16539853.86 -16539853.77 -16539853.67 0.3735 0.1567

Mercury -49992-11-21 09:49 J -16537830.19 -16537830.09 -16537829.99 0.3740 0.0642

Mercury -49986-06-07 01:54 J -16535806.49 -16535806.42 -16535806.36 0.3744 0.2801

Mercury -49983-03-06 23:30 J -16534802.61 -16534802.52 -16534802.44 0.3644 0.2943

Mercury -49978-09-21 05:59 J -16532778.35 -16532778.25 -16532778.15 0.3637 0.2691

Mercury -49946-05-29 23:01 J -16521204.61 -16521204.54 -16521204.48 0.3732 0.2957

Mercury -49941-12-12 15:06 J -16519180.97 -16519180.87 -16519180.77 0.3737 0.0747

Mercury -49935-06-28 07:11 J -16517157.29 -16517157.20 -16517157.10 0.3741 0.1444

Mercury -49929-01-11 23:16 J -16515133.55 -16515133.53 -16515133.50 0.3745 0.3614

Mercury -49927-10-12 00:57 J -16514129.61 -16514129.46 -16514129.32 0.3642 0.1011

Mercury -49889-01-03 20:37 J -16500531.73 -16500531.64 -16500531.56 0.3733 0.2134

Mercury -49884-07-19 12:42 J -16498508.07 -16498507.97 -16498507.87 0.3738 0.0073

Mercury -49878-02-02 04:47 J -16496484.38 -16496484.30 -16496484.22 0.3742 0.2252

Mercury -49870-05-19 02:23 J -16493456.55 -16493456.40 -16493456.26 0.3641 0.0933

Mercury -49838-01-25 01:54 J -16481882.45 -16481882.42 -16481882.39 0.3730 0.3527

Mercury -49833-08-09 18:13 J -16479858.84 -16479858.74 -16479858.65 0.3734 0.1315

Mercury -49827-02-23 10:18 J -16477835.17 -16477835.07 -16477834.97 0.3739 0.0889

Mercury -49822-09-09 02:23 J -16475811.46 -16475811.40 -16475811.34 0.3743 0.3067

Mercury -49819-06-08 21:21 J -16474807.71 -16474807.61 -16474807.52 0.3645 0.2731

Mercury -49814-12-24 03:35 J -16472783.44 -16472783.35 -16472783.26 0.3639 0.2849

Mercury -49782-08-31 23:30 J -16461209.59 -16461209.52 -16461209.45 0.3731 0.2693

Mercury -49776-03-16 15:35 J -16459185.95 -16459185.85 -16459185.74 0.3735 0.0499

Mercury -49771-09-30 07:54 J -16457162.26 -16457162.17 -16457162.08 0.3740 0.1711

Mercury -49762-01-13 22:33 J -16454134.71 -16454134.56 -16454134.42 0.3643 0.0840

Mercury -49725-04-06 21:06 J -16440536.71 -16440536.62 -16440536.53 0.3732 0.1864

Mercury -49720-10-21 13:11 J -16438513.05 -16438512.95 -16438512.84 0.3736 0.0355

Mercury -49714-05-07 05:30 J -16436489.35 -16436489.27 -16436489.20 0.3741 0.2527

Mercury -49706-08-20 23:59 J -16433461.65 -16433461.50 -16433461.36 0.3642 0.1101

Mercury -49674-04-29 02:23 J -16421887.45 -16421887.40 -16421887.35 0.3729 0.3259

Mercury -49669-11-11 18:42 J -16419863.82 -16419863.72 -16419863.62 0.3733 0.1040

Mercury -49663-05-28 10:47 J -16417840.15 -16417840.05 -16417839.95 0.3738 0.1155

Mercury -49658-12-12 02:52 J -16415816.42 -16415816.38 -16415816.33 0.3742 0.3338

Mercury -49655-09-10 18:57 J -16414812.81 -16414812.71 -16414812.60 0.3646 0.2530

Mercury -49649-03-27 01:11 J -16412788.53 -16412788.45 -16412788.37 0.3640 0.3052

Mercury -49618-12-03 23:59 J -16401214.58 -16401214.50 -16401214.42 0.3730 0.2431

Mercury -49612-06-18 16:04 J -16399190.93 -16399190.83 -16399190.72 0.3734 0.0276

Mercury -49606-01-02 08:23 J -16397167.24 -16397167.15 -16397167.06 0.3739 0.1971

Mercury -49598-04-17 20:23 J -16394139.80 -16394139.65 -16394139.50 0.3645 0.0625

Mercury -49561-07-09 21:35 J -16380541.70 -16380541.60 -16380541.51 0.3731 0.1618

Mercury -49555-01-23 13:40 J -16378518.03 -16378517.93 -16378517.82 0.3735 0.0609

Mercury -49550-08-09 05:59 J -16376494.32 -16376494.25 -16376494.19 0.3740 0.2788

Mercury -49542-11-22 21:35 J -16373466.74 -16373466.60 -16373466.46 0.3644 0.1287

Mercury -49510-08-01 02:52 J -16361892.44 -16361892.38 -16361892.32 0.3727 0.3005

Mercury -49504-02-13 19:11 J -16359868.80 -16359868.70 -16359868.60 0.3732 0.0790

Mercury -49499-08-30 11:16 J -16357845.12 -16357845.03 -16357844.93 0.3736 0.1427

Mercury -49493-03-15 03:21 J -16355821.38 -16355821.36 -16355821.33 0.3741 0.3601

Mercury -49491-12-13 16:47 J -16354817.92 -16354817.80 -16354817.69 0.3648 0.2354

Mercury -49485-06-28 23:01 J -16352793.61 -16352793.54 -16352793.48 0.3642 0.3242

Mercury -49453-03-07 00:28 J -16341219.56 -16341219.48 -16341219.40 0.3728 0.2175

Mercury -49448-09-20 16:47 J -16339195.91 -16339195.80 -16339195.70 0.3733 0.0089

Mercury -49442-04-06 08:52 J -16337172.21 -16337172.13 -16337172.05 0.3738 0.2246

Mercury -49434-07-20 17:59 J -16334144.90 -16334144.75 -16334144.60 0.3646 0.0453

Mercury -49402-03-29 05:45 J -16322570.28 -16322570.26 -16322570.23 0.3725 0.3570

Mercury -49397-10-11 22:04 J -16320546.68 -16320546.58 -16320546.48 0.3730 0.1341

Mercury -49391-04-27 14:23 J -16318523.00 -16318522.90 -16318522.80 0.3734 0.0880

Mercury -49386-11-11 06:28 J -16316499.29 -16316499.23 -16316499.17 0.3739 0.3060

Mercury -49377-02-24 19:11 J -16313471.83 -16313471.70 -16313471.56 0.3645 0.1485

Mercury -49346-11-03 03:21 J -16301897.43 -16301897.36 -16301897.29 0.3726 0.2739

Mercury -49340-05-18 19:40 J -16299873.78 -16299873.68 -16299873.58 0.3731 0.0513

Mercury -49335-12-02 11:59 J -16297850.10 -16297850.00 -16297849.91 0.3735 0.1699

Mercury -49326-03-17 14:37 J -16294823.01 -16294822.89 -16294822.77 0.3649 0.2142

Mercury -49321-09-30 20:37 J -16292798.68 -16292798.64 -16292798.59 0.3643 0.3455

Mercury -49289-06-09 00:57 J -16281224.55 -16281224.46 -16281224.37 0.3727 0.1912

Mercury -49284-12-23 17:16 J -16279200.88 -16279200.78 -16279200.68 0.3732 0.0316

Mercury -49278-07-09 09:21 J -16277177.18 -16277177.11 -16277177.03 0.3736 0.2502

Mercury -49270-10-22 15:49 J -16274149.99 -16274149.84 -16274149.69 0.3648 0.0236

Mercury -49238-07-01 06:13 J -16262575.28 -16262575.24 -16262575.19 0.3724 0.3321

Mercury -49232-01-13 22:33 J -16260551.66 -16260551.56 -16260551.46 0.3729 0.1079

Mercury -49227-07-30 14:52 J -16258527.98 -16258527.88 -16258527.78 0.3733 0.1136

Mercury -49221-02-13 06:57 J -16256504.25 -16256504.21 -16256504.16 0.3738 0.3320

Mercury -49213-05-28 17:01 J -16253476.92 -16253476.79 -16253476.65 0.3646 0.1708

Mercury -49181-02-05 03:49 J -16241902.41 -16241902.34 -16241902.26 0.3725 0.2481

Mercury -49176-08-20 20:09 J -16239878.76 -16239878.66 -16239878.55 0.3730 0.0247

Mercury -49170-03-06 12:28 J -16237855.07 -16237854.98 -16237854.90 0.3734 0.1961

Mercury -49162-06-19 12:13 J -16234828.11 -16234827.99 -16234827.86 0.3651 0.1934

Mercury -49156-01-02 18:13 J -16232803.75 -16232803.74 -16232803.72 0.3645 0.3620

Mercury -49125-09-11 01:25 J -16221229.53 -16221229.44 -16221229.34 0.3726 0.1641

Mercury -49119-03-27 17:45 J -16219205.86 -16219205.76 -16219205.66 0.3731 0.0586

Mercury -49114-10-11 10:04 J -16217182.15 -16217182.08 -16217182.02 0.3735 0.2785

Mercury -49105-01-24 13:25 J -16214155.09 -16214154.94 -16214154.79 0.3649 0.0105

Mercury -49074-10-03 06:42 J -16202580.28 -16202580.22 -16202580.16 0.3723 0.3050

Mercury -49068-04-17 23:01 J -16200556.64 -16200556.54 -16200556.43 0.3727 0.0813

Mercury -49063-11-01 15:21 J -16198532.96 -16198532.86 -16198532.76 0.3732 0.1409

Mercury -49057-05-17 07:25 J -16196509.21 -16196509.19 -16196509.16 0.3737 0.3601

Mercury -49054-02-14 08:52 J -16195506.15 -16195506.13 -16195506.10 0.3654 0.3598

Mercury -49049-08-30 14:52 J -16193482.01 -16193481.88 -16193481.75 0.3648 0.1890

Mercury -49017-05-09 04:18 J -16181907.40 -16181907.32 -16181907.23 0.3724 0.2208

Mercury -49012-11-22 20:37 J -16179883.74 -16179883.64 -16179883.53 0.3728 0.0113

Mercury -49006-06-08 12:57 J -16177860.04 -16177859.96 -16177859.88 0.3733 0.2231

49TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 49th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-48998-09-21 10:04 J	-16174833.21	-16174833.08	-16174832.94	0.3652	0.1719		
Mercury	-48966-05-31 09:35 J	-16163258.12	-16163258.10	-16163258.08	0.3721	0.3625		
Mercury	-48961-12-14 01:54 J	-16161234.51	-16161234.42	-16161234.32	0.3725	0.1377		
Mercury	-48955-06-29 18:13 J	-16159210.84	-16159210.74	-16159210.64	0.3730	0.0846		
Mercury	-48949-01-13 10:33 J	-16157187.12	-16157187.06	-16157187.01	0.3734	0.3054		
Mercury	-48941-04-27 11:30 J	-16154160.17	-16154160.02	-16154159.87	0.3651	0.0207		
Mercury	-48909-01-05 07:11 J	-16142585.26	-16142585.20	-16142585.13	0.3722	0.2781		
Mercury	-48904-07-20 23:30 J	-16140561.62	-16140561.52	-16140561.41	0.3726	0.0549		
Mercury	-48898-02-03 15:49 J	-16138537.93	-16138537.84	-16138537.75	0.3731	0.1677		
Mercury	-48890-05-19 06:57 J	-16135511.27	-16135511.21	-16135511.16	0.3655	0.3370		
Mercury	-48885-12-02 12:28 J	-16133487.10	-16133486.98	-16133486.86	0.3649	0.2080		
Mercury	-48853-08-11 04:47 J	-16121912.38	-16121912.30	-16121912.21	0.3723	0.1941		
Mercury	-48847-02-24 21:06 J	-16119888.72	-16119888.62	-16119888.51	0.3727	0.0306		
Mercury	-48842-09-10 13:25 J	-16117865.02	-16117864.94	-16117864.86	0.3732	0.2508		
Mercury	-48834-12-24 07:54 J	-16114838.30	-16114838.17	-16114838.03	0.3654	0.1525		
Mercury	-48802-09-02 10:04 J	-16103263.12	-16103263.08	-16103263.03	0.3719	0.3352		
Mercury	-48796-03-18 02:23 J	-16101239.50	-16101239.40	-16101239.30	0.3724	0.1109		
Mercury	-48791-10-01 18:42 J	-16099215.82	-16099215.72	-16099215.62	0.3729	0.1134		
Mercury	-48785-04-16 11:01 J	-16097192.08	-16097192.04	-16097192.00	0.3733	0.3335		
Mercury	-48777-07-30 09:06 J	-16094165.27	-16094165.12	-16094164.97	0.3652	0.0362		
Mercury	-48745-04-08 07:40 J	-16082590.25	-16082590.18	-16082590.10	0.3720	0.2505		
Mercury	-48740-10-23 00:13 J	-16080566.60	-16080566.49	-16080566.39	0.3725	0.0310		

Mercury -48734-05-08 16:18 J -16078542.90 -16078542.82 -16078542.73 0.3730 0.1965

Mercury -48726-08-21 04:47 J -16075516.37 -16075516.30 -16075516.23 0.3657 0.3171

Mercury -48720-03-06 10:18 J -16073492.19 -16073492.07 -16073491.95 0.3651 0.2283

Mercury -48689-11-13 05:30 J -16061917.37 -16061917.27 -16061917.18 0.3722 0.1664

Mercury -48683-05-29 21:35 J -16059893.70 -16059893.60 -16059893.49 0.3726 0.0593

Mercury -48678-12-13 13:54 J -16057869.99 -16057869.92 -16057869.85 0.3731 0.2788

Mercury -48669-03-27 05:45 J -16054843.39 -16054843.26 -16054843.12 0.3655 0.1303

Mercury -48638-12-05 10:33 J -16043268.11 -16043268.06 -16043268.00 0.3718 0.3078

Mercury -48632-06-20 02:52 J -16041244.48 -16041244.38 -16041244.27 0.3723 0.0841

Mercury -48626-01-03 19:11 J -16039220.79 -16039220.70 -16039220.60 0.3728 0.1414

Mercury -48621-07-19 11:30 J -16037197.04 -16037197.02 -16037197.00 0.3732 0.3599

Mercury -48613-11-01 06:57 J -16034170.36 -16034170.21 -16034170.06 0.3654 0.0588

Mercury -48581-07-11 08:09 J -16022595.24 -16022595.16 -16022595.07 0.3719 0.2245

Mercury -48575-01-25 00:28 J -16020571.58 -16020571.48 -16020571.37 0.3724 0.0170

Mercury -48570-08-10 16:47 J -16018547.88 -16018547.80 -16018547.71 0.3728 0.2235

Mercury -48562-11-23 02:37 J -16015521.47 -16015521.39 -16015521.30 0.3659 0.2946

Mercury -48556-06-08 08:09 J -16013497.27 -16013497.16 -16013497.05 0.3652 0.2499

Mercury -48530-08-02 13:25 J -16003945.95 -16003945.94 -16003945.92 0.3716 0.3658

Mercury -48524-02-15 05:45 J -16001922.35 -16001922.26 -16001922.16 0.3720 0.1402

Mercury -48519-08-31 22:18 J -15999898.68 -15999898.57 -15999898.47 0.3725 0.0865

Mercury -48513-03-16 14:23 J -15997874.95 -15997874.90 -15997874.84 0.3729 0.3062

Mercury -48505-06-29 03:35 J -15994848.49 -15994848.35 -15994848.21 0.3657 0.1095

Mercury -48473-03-08 11:01 J -15983273.10 -15983273.04 -15983272.97 0.3717 0.2809

Mercury -48468-09-22 03:35 J -15981249.46 -15981249.35 -15981249.25 0.3722 0.0561

Mercury -48462-04-07 19:54 J -15979225.77 -15979225.67 -15979225.58 0.3726 0.1693

Mercury -48448-02-03 04:47 J -15974175.44 -15974175.30 -15974175.16 0.3655 0.0791

Mercury -48417-10-13 08:37 J -15962600.22 -15962600.14 -15962600.05 0.3718 0.1965

Mercury -48411-04-29 01:11 J -15960576.56 -15960576.45 -15960576.35 0.3723 0.0309

Mercury -48406-11-12 17:30 J -15958552.85 -15958552.77 -15958552.70 0.3727 0.2523

Mercury -48397-02-25 00:28 J -15955526.57 -15955526.48 -15955526.38 0.3660 0.2730

Mercury -48392-09-10 05:59 J -15953502.35 -15953502.25 -15953502.15 0.3653 0.2697

Mercury -48366-11-04 13:54 J -15943950.96 -15943950.92 -15943950.88 0.3715 0.3377

Mercury -48360-05-20 06:28 J -15941927.33 -15941927.23 -15941927.13 0.3719 0.1119

Mercury -48355-12-03 22:47 J -15939903.65 -15939903.55 -15939903.45 0.3724 0.1138

Mercury -48349-06-18 14:52 J -15937879.92 -15937879.88 -15937879.83 0.3729 0.3339

Mercury -48341-10-01 01:40 J -15934853.58 -15934853.43 -15934853.29 0.3658 0.0864

Mercury -48309-06-10 11:30 J -15923278.09 -15923278.02 -15923277.94 0.3716 0.2535

Mercury -48304-12-25 04:04 J -15921254.44 -15921254.33 -15921254.23 0.3721 0.0285

Mercury -48298-07-10 20:23 J -15919230.74 -15919230.65 -15919230.57 0.3725 0.1963

Mercury -48284-05-08 02:37 J -15914180.53 -15914180.39 -15914180.25 0.3657 0.1019

Mercury -48252-01-15 09:06 J -15902605.21 -15902605.12 -15902605.02 0.3717 0.1687

Mercury -48247-08-01 01:40 J -15900581.54 -15900581.43 -15900581.33 0.3722 0.0582

Mercury -48241-02-14 17:59 J -15898557.82 -15898557.75 -15898557.69 0.3726 0.2795

Mercury -48233-05-28 22:33 J -15895531.67 -15895531.56 -15895531.46 0.3661 0.2495

Mercury -48228-12-13 03:35 J -15893507.43 -15893507.35 -15893507.26 0.3655 0.2895

Mercury -48201-02-06 14:23 J -15883955.95 -15883955.90 -15883955.84 0.3713 0.3108

Mercury -48196-08-22 06:57 J -15881932.32 -15881932.21 -15881932.11 0.3718 0.0839

Mercury -48190-03-07 23:16 J -15879908.63 -15879908.53 -15879908.44 0.3723 0.1411

Mercury -48185-09-20 15:35 J -15877884.87 -15877884.85 -15877884.83 0.3727 0.3629

Mercury -48176-01-02 23:30 J -15874858.67 -15874858.52 -15874858.38 0.3660 0.0676

Mercury -48145-09-12 11:59 J -15863283.08 -15863283.00 -15863282.91 0.3715 0.2251

Mercury -48139-03-29 04:33 J -15861259.42 -15861259.31 -15861259.21 0.3719 0.0087

Mercury -48134-10-12 20:52 J -15859235.71 -15859235.63 -15859235.55 0.3724 0.2249

Mercury -48120-08-10 00:28 J -15854185.62 -15854185.48 -15854185.34 0.3658 0.1197

Mercury -48094-10-04 17:16 J -15844633.79 -15844633.78 -15844633.77 0.3711 0.3681

Mercury -48088-04-19 09:50 J -15842610.19 -15842610.09 -15842610.00 0.3716 0.1400

Mercury -48083-11-03 02:09 J -15840586.51 -15840586.41 -15840586.31 0.3720 0.0859

Mercury -48077-05-18 18:28 J -15838562.79 -15838562.73 -15838562.68 0.3725 0.3082

Mercury -48069-08-30 20:23 J -15835536.76 -15835536.65 -15835536.54 0.3663 0.2287

Mercury -48063-03-17 01:40 J -15833512.51 -15833512.43 -15833512.36 0.3657 0.3114

Mercury -48037-05-10 14:52 J -15823960.95 -15823960.88 -15823960.81 0.3712 0.2821

Mercury -48032-11-24 07:26 J -15821937.30 -15821937.19 -15821937.09 0.3717 0.0550

Mercury -48026-06-09 23:45 J -15819913.60 -15819913.51 -15819913.42 0.3722 0.1696

Mercury -48012-04-06 21:21 J -15814863.75 -15814863.61 -15814863.46 0.3661 0.0442

48TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 48th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-47981-12-15 12:28 J	-15803288.07	-15803287.98	-15803287.89	0.3714	0.1970		
Mercury	-47975-07-01 05:02 J	-15801264.40	-15801264.29	-15801264.19	0.3718	0.0314		
Mercury	-47969-01-14 21:21 J	-15799240.69	-15799240.61	-15799240.54	0.3723	0.2532		
Mercury	-47956-11-11 22:18 J	-15794190.70	-15794190.57	-15794190.43	0.3660	0.1441		
Mercury	-47929-01-06 17:45 J	-15784638.80	-15784638.76	-15784638.72	0.3710	0.3403		
Mercury	-47924-07-22 10:04 J	-15782615.18	-15782615.08	-15782614.98	0.3715	0.1131		
Mercury	-47918-02-05 02:38 J	-15780591.49	-15780591.39	-15780591.29	0.3719	0.1138		
Mercury	-47913-08-20 18:57 J	-15778567.75	-15778567.71	-15778567.67	0.3724	0.3368		
Mercury	-47905-12-02 18:14 J	-15775541.86	-15775541.74	-15775541.62	0.3664	0.2072		
Mercury	-47899-06-18 23:30 J	-15773517.58	-15773517.52	-15773517.46	0.3658	0.3331		
Mercury	-47873-08-12 15:21 J	-15763965.94	-15763965.86	-15763965.78	0.3711	0.2541		
Mercury	-47867-02-26 07:54 J	-15761942.28	-15761942.17	-15761942.07	0.3716	0.0304		
Mercury	-47862-09-12 00:14 J	-15759918.58	-15759918.49	-15759918.40	0.3720	0.1984		
Mercury	-47848-07-09 19:11 J	-15754868.84	-15754868.70	-15754868.55	0.3663	0.0241		
Mercury	-47816-03-19 12:57 J	-15743293.05	-15743292.96	-15743292.86	0.3712	0.1689		

Mercury -47811-10-03 05:30 J -15741269.38 -15741269.27 -15741269.17 0.3717 0.0586

Mercury -47805-04-17 21:50 J -15739245.66 -15739245.59 -15739245.52 0.3722 0.2827

Mercury -47797-07-30 15:21 J -15736219.86 -15736219.86 -15736219.86 0.3667 0.3667

Mercury -47791-02-13 20:23 J -15734195.78 -15734195.65 -15734195.52 0.3661 0.1653

Mercury -47765-04-09 18:14 J -15724643.80 -15724643.74 -15724643.69 0.3709 0.3112

Mercury -47760-10-24 10:47 J -15722620.16 -15722620.05 -15722619.95 0.3713 0.0843

Mercury -47754-05-10 03:06 J -15720596.47 -15720596.37 -15720596.27 0.3718 0.1434

Mercury -47749-11-22 19:26 J -15718572.70 -15718572.69 -15718572.67 0.3723 0.3662

Mercury -47740-03-06 16:18 J -15715546.95 -15715546.82 -15715546.70 0.3666 0.1843

Mercury -47735-09-20 21:21 J -15713522.64 -15713522.61 -15713522.58 0.3659 0.3543

Mercury -47709-11-14 15:50 J -15703970.92 -15703970.84 -15703970.76 0.3710 0.2253

Mercury -47703-05-31 08:23 J -15701947.26 -15701947.15 -15701947.05 0.3715 0.0100

Mercury -47698-12-15 00:42 J -15699923.55 -15699923.47 -15699923.39 0.3719 0.2274

Mercury -47684-10-11 17:16 J -15694873.92 -15694873.78 -15694873.63 0.3664 0.0049

Mercury -47658-12-06 20:52 J -15685321.63 -15685321.63 -15685321.62 0.3707 0.3697

Mercury -47652-06-21 13:26 J -15683298.04 -15683297.94 -15683297.84 0.3711 0.1405

Mercury -47646-01-05 05:59 J -15681274.35 -15681274.25 -15681274.15 0.3716 0.0874

Mercury -47641-07-20 22:18 J -15679250.63 -15679250.57 -15679250.52 0.3721 0.3104

Mercury -47633-11-01 13:26 J -15676224.99 -15676224.94 -15676224.89 0.3669 0.3420

Mercury -47627-05-18 18:14 J -15674200.86 -15674200.74 -15674200.61 0.3663 0.1880

Mercury -47601-07-12 18:28 J -15664648.79 -15664648.73 -15664648.66 0.3708 0.2846

Mercury -47595-01-26 11:02 J -15662625.14 -15662625.04 -15662624.93 0.3712 0.0563

Mercury -47590-08-12 03:35 J -15660601.44 -15660601.35 -15660601.26 0.3717 0.1715

Mercury -47576-06-08 14:23 J -15655552.03 -15655551.90 -15655551.77 0.3667 0.1594

Mercury -47544-02-16 16:18 J -15643975.91 -15643975.82 -15643975.73 0.3709 0.1976

Mercury -47539-09-02 08:52 J -15641952.24 -15641952.13 -15641952.03 0.3714 0.0329

Mercury -47533-03-18 01:11 J -15639928.52 -15639928.45 -15639928.38 0.3718 0.2560

Mercury -47519-01-13 15:06 J -15634879.01 -15634878.87 -15634878.72 0.3666 0.0231

Mercury -47493-03-09 21:21 J -15625326.65 -15625326.61 -15625326.57 0.3705 0.3415

Mercury -47488-09-23 13:54 J -15623303.02 -15623302.92 -15623302.82 0.3710 0.1110

Mercury -47482-04-09 06:28 J -15621279.33 -15621279.23 -15621279.13 0.3715 0.1168

Mercury -47477-10-22 22:47 J -15619255.59 -15619255.55 -15619255.51 0.3719 0.3405

Mercury -47468-02-03 11:30 J -15616230.09 -15616230.02 -15616229.95 0.3670 0.3188

Mercury -47463-08-20 16:04 J -15614205.95 -15614205.83 -15614205.71 0.3664 0.2071

Mercury -47437-10-14 19:11 J -15604653.78 -15604653.70 -15604653.63 0.3707 0.2550

Mercury -47431-04-30 11:45 J -15602630.12 -15602630.01 -15602629.91 0.3711 0.0280

Mercury -47426-11-14 04:04 J -15600606.42 -15600606.33 -15600606.24 0.3716 0.2013

Mercury -47412-09-10 12:28 J -15595557.12 -15595556.98 -15595556.85 0.3669 0.1374

Mercury -47380-05-21 16:47 J -15583980.90 -15583980.80 -15583980.71 0.3708 0.1678

Mercury -47375-12-05 09:21 J -15581957.22 -15581957.11 -15581957.01 0.3712 0.0615

Mercury -47369-06-20 01:40 J -15579933.50 -15579933.43 -15579933.36 0.3717 0.2852

Mercury -47355-04-17 13:11 J -15574884.09 -15574883.95 -15574883.81 0.3667 0.0458

Mercury -47329-06-11 21:50 J -15565331.64 -15565331.59 -15565331.54 0.3704 0.3129

Mercury -47324-12-26 14:23 J -15563308.00 -15563307.90 -15563307.79 0.3709 0.0820

Mercury -47318-07-12 06:57 J -15561284.31 -15561284.21 -15561284.12 0.3714 0.1450

Mercury -47312-01-24 23:16 J -15559260.54 -15559260.53 -15559260.52 0.3718 0.3696

Mercury -47304-05-08 09:35 J -15556235.18 -15556235.10 -15556235.01 0.3672 0.2929

Mercury -47299-11-22 14:09 J -15554211.03 -15554210.91 -15554210.80 0.3666 0.2305

Mercury -47272-01-16 19:26 J -15544658.77 -15544658.69 -15544658.60 0.3706 0.2261

Mercury -47267-08-02 11:59 J -15542635.10 -15542635.00 -15542634.89 0.3710 0.0113

Mercury -47261-02-16 04:33 J -15540611.39 -15540611.31 -15540611.23 0.3715 0.2301

Mercury -47248-12-13 10:18 J -15535562.21 -15535562.07 -15535561.93 0.3670 0.1155

Mercury -47216-08-23 17:16 J -15523985.88 -15523985.78 -15523985.68 0.3707 0.1387

Mercury -47210-03-09 09:50 J -15521962.20 -15521962.09 -15521961.99 0.3711 0.0903

Mercury -47205-09-22 02:09 J -15519938.46 -15519938.41 -15519938.35 0.3716 0.3154

Mercury -47191-07-20 11:02 J -15514889.18 -15514889.04 -15514888.89 0.3669 0.0675

Mercury -47165-09-13 22:18 J -15505336.64 -15505336.57 -15505336.50 0.3703 0.2832

Mercury -47159-03-30 14:52 J -15503312.98 -15503312.88 -15503312.77 0.3708 0.0524

Mercury -47154-10-14 07:26 J -15501289.28 -15501289.19 -15501289.10 0.3712 0.1751

Mercury -47140-08-10 07:26 J -15496240.28 -15496240.19 -15496240.09 0.3673 0.2729

Mercury -47134-02-24 11:59 J -15494216.10 -15494216.00 -15494215.90 0.3667 0.2519

Mercury -47108-04-20 19:54 J -15484663.76 -15484663.67 -15484663.58 0.3704 0.1960

Mercury -47103-11-04 12:28 J -15482640.08 -15482639.98 -15482639.87 0.3709 0.0365

Mercury -47097-05-20 05:02 J -15480616.36 -15480616.29 -15480616.22 0.3714 0.2605

Mercury -47083-03-17 08:23 J -15475567.29 -15475567.15 -15475567.01 0.3672 0.0921

Mercury -47057-05-12 00:57 J -15466014.49 -15466014.46 -15466014.42 0.3701 0.3416

Mercury -47052-11-25 17:45 J -15463990.86 -15463990.76 -15463990.66 0.3705 0.1089

Mercury -47046-06-11 10:18 J -15461967.17 -15461967.07 -15461966.97 0.3710 0.1200

Mercury -47041-12-25 02:38 J -15459943.42 -15459943.39 -15459943.35 0.3715 0.3453

Mercury -47027-10-22 09:06 J -15454894.26 -15454894.12 -15454893.98 0.3670 0.0921

Mercury -47001-12-16 22:47 J -15445341.63 -15445341.55 -15445341.47 0.3702 0.2537

47TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 47th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-46995-07-02 15:21 J	-15443317.97	-15443317.86	-15443317.76	0.3707	0.0238		
Mercury	-46989-01-16 07:54 J	-15441294.26	-15441294.17	-15441294.08	0.3711	0.2050		
Mercury	-46976-11-12 05:45 J	-15436245.37	-15436245.26	-15436245.16	0.3675	0.2473		
Mercury	-46970-05-29 10:04 J	-15434221.17	-15434221.08	-15434220.99	0.3668	0.2764		
Mercury	-46944-07-23 20:23 J	-15424668.74	-15424668.65	-15424668.55	0.3703	0.1674		
Mercury	-46938-02-06 12:57 J	-15422645.06	-15422644.96	-15422644.85	0.3708	0.0634		
Mercury	-46933-08-22 05:30 J	-15420621.33	-15420621.27	-15420621.21	0.3712	0.2899		
Mercury	-46919-06-19 06:28 J	-15415572.37	-15415572.23	-15415572.09	0.3673	0.0674		

Mercury -46893-08-14 01:26 J -15406019.49 -15406019.44 -15406019.38 0.3700 0.3123

Mercury -46887-02-27 18:14 J -15403995.85 -15403995.74 -15403995.64 0.3704 0.0818

Mercury -46882-09-13 10:47 J -15401972.15 -15401972.05 -15401971.96 0.3709 0.1503

Mercury -46862-01-24 07:11 J -15394899.34 -15394899.20 -15394899.06 0.3671 0.1125

Mercury -46836-03-20 23:16 J -15385346.62 -15385346.53 -15385346.45 0.3701 0.2247

Mercury -46831-10-04 15:50 J -15383322.95 -15383322.84 -15383322.73 0.3705 0.0070

Mercury -46825-04-19 08:23 J -15381299.23 -15381299.15 -15381299.07 0.3710 0.2356

Mercury -46811-02-14 03:50 J -15376250.46 -15376250.34 -15376250.23 0.3676 0.2235

Mercury -46806-08-31 07:54 J -15374226.25 -15374226.17 -15374226.08 0.3670 0.2974

Mercury -46780-10-25 20:52 J -15364673.73 -15364673.63 -15364673.53 0.3702 0.1368

Mercury -46774-05-11 13:26 J -15362650.04 -15362649.94 -15362649.83 0.3707 0.0945

Mercury -46769-11-24 05:59 J -15360626.30 -15360626.25 -15360626.20 0.3711 0.3206

Mercury -46755-09-21 04:33 J -15355577.45 -15355577.31 -15355577.17 0.3674 0.0442

Mercury -46729-11-16 01:54 J -15346024.49 -15346024.42 -15346024.35 0.3698 0.2819

Mercury -46723-06-01 18:28 J -15344000.83 -15344000.73 -15344000.62 0.3703 0.0523

Mercury -46718-12-16 11:16 J -15341977.13 -15341977.03 -15341976.94 0.3708 0.1804

Mercury -46698-04-28 05:16 J -15334904.41 -15334904.28 -15334904.15 0.3673 0.1380

Mercury -46672-06-22 23:30 J -15325351.61 -15325351.52 -15325351.43 0.3700 0.1955

Mercury -46666-01-06 16:18 J -15323327.93 -15323327.82 -15323327.72 0.3704 0.0373

Mercury -46661-07-22 08:52 J -15321304.21 -15321304.13 -15321304.06 0.3709 0.2646

Mercury -46647-05-19 01:54 J -15316255.54 -15316255.42 -15316255.30 0.3678 0.1979

Mercury -46642-12-03 05:59 J -15314231.32 -15314231.25 -15314231.18 0.3671 0.3199

Mercury -46621-07-14 04:33 J -15306702.35 -15306702.31 -15306702.27 0.3696 0.3417

Mercury -46615-01-27 21:21 J -15304678.71 -15304678.61 -15304678.51 0.3701 0.1072

Mercury -46610-08-13 13:54 J -15302655.02 -15302654.92 -15302654.82 0.3705 0.1234

Mercury -46604-02-26 06:28 J -15300631.26 -15300631.23 -15300631.20 0.3710 0.3499

Mercury -46591-12-24 02:38 J -15295582.54 -15295582.39 -15295582.25 0.3676 0.0246

Mercury -46564-02-18 02:23 J -15286029.48 -15286029.40 -15286029.33 0.3697 0.2531

Mercury -46559-09-03 18:57 J -15284005.81 -15284005.71 -15284005.60 0.3702 0.0233

Mercury -46553-03-19 11:30 J -15281982.10 -15281982.02 -15281981.93 0.3707 0.2101

Mercury -46539-01-13 23:16 J -15276933.56 -15276933.53 -15276933.49 0.3681 0.3517

Mercury -46534-07-31 03:21 J -15274909.49 -15274909.36 -15274909.23 0.3674 0.1595

Mercury -46508-09-24 23:59 J -15265356.59 -15265356.50 -15265356.40 0.3698 0.1646

Mercury -46502-04-10 16:47 J -15263332.91 -15263332.80 -15263332.70 0.3703 0.0683

Mercury -46497-10-24 09:21 J -15261309.17 -15261309.11 -15261309.05 0.3708 0.2958

Mercury -46483-08-20 23:59 J -15256260.63 -15256260.50 -15256260.38 0.3679 0.1767

Mercury -46477-03-06 04:04 J -15254236.38 -15254236.33 -15254236.28 0.3673 0.3424

Mercury -46457-10-16 05:02 J -15246707.34 -15246707.29 -15246707.23 0.3695 0.3108

Mercury -46451-05-01 21:50 J -15244683.70 -15244683.59 -15244683.49 0.3700 0.0762

Mercury -46446-11-15 14:23 J -15242659.99 -15242659.90 -15242659.80 0.3704 0.1545

Mercury -46426-03-28 00:42 J -15235587.61 -15235587.47 -15235587.33 0.3677 0.0036

Mercury -46400-05-23 02:52 J -15226034.47 -15226034.38 -15226034.30 0.3696 0.2224

Mercury -46395-12-06 19:26 J -15224010.79 -15224010.69 -15224010.58 0.3701 0.0153

Mercury -46389-06-21 11:59 J -15221987.08 -15221987.00 -15221986.92 0.3706 0.2403

Mercury -46375-04-17 21:35 J -15216938.66 -15216938.60 -15216938.54 0.3682 0.3256

Mercury -46370-11-02 01:26 J -15214914.56 -15214914.44 -15214914.32 0.3676 0.1842

Mercury -46344-12-28 00:28 J -15205361.58 -15205361.48 -15205361.38 0.3697 0.1340

Mercury -46338-07-13 17:02 J -15203337.89 -15203337.79 -15203337.68 0.3702 0.0986

Mercury -46332-01-26 09:50 J -15201314.14 -15201314.09 -15201314.05 0.3707 0.3262

Mercury -46319-11-22 22:18 J -15196265.70 -15196265.57 -15196265.45 0.3681 0.1507

Mercury -46313-06-08 02:09 J -15194241.41 -15194241.41 -15194241.41 0.3674 0.3670

Mercury -46292-01-18 05:30 J -15186712.34 -15186712.27 -15186712.20 0.3694 0.2809

Mercury -46287-08-03 22:18 J -15184688.68 -15184688.57 -15184688.47 0.3698 0.0494

Mercury -46281-02-17 14:52 J -15182664.97 -15182664.88 -15182664.79 0.3703 0.1842

Mercury -46262-06-29 22:47 J -15175592.69 -15175592.55 -15175592.41 0.3679 0.0281

Mercury -46236-08-25 03:06 J -15166039.46 -15166039.37 -15166039.28 0.3695 0.1921

Mercury -46230-03-10 19:54 J -15164015.78 -15164015.67 -15164015.56 0.3700 0.0412

Mercury -46225-09-23 12:28 J -15161992.05 -15161991.98 -15161991.91 0.3704 0.2716

Mercury -46211-07-20 19:40 J -15156943.76 -15156943.68 -15156943.60 0.3684 0.3019

Mercury -46205-02-03 23:30 J -15154919.64 -15154919.52 -15154919.41 0.3677 0.2065

Mercury -46185-09-15 08:09 J -15147390.20 -15147390.16 -15147390.12 0.3691 0.3392

Mercury -46179-04-01 00:57 J -15145366.56 -15145366.46 -15145366.36 0.3696 0.1035

Mercury -46174-10-15 17:45 J -15143342.86 -15143342.76 -15143342.66 0.3701 0.1296

Mercury -46168-04-30 10:18 J -15141319.10 -15141319.07 -15141319.05 0.3706 0.3578

Mercury -46154-02-24 20:23 J -15136270.78 -15136270.65 -15136270.52 0.3682 0.1256

Mercury -46128-04-22 05:59 J -15126717.33 -15126717.25 -15126717.18 0.3693 0.2497

Mercury -46123-11-05 22:33 J -15124693.66 -15124693.56 -15124693.45 0.3697 0.0216

Mercury -46117-05-21 15:21 J -15122669.95 -15122669.86 -15122669.78 0.3702 0.2160

Mercury -46098-10-01 20:52 J -15115597.77 -15115597.63 -15115597.48 0.3680 0.0536

Mercury -46072-11-27 03:35 J -15106044.44 -15106044.35 -15106044.25 0.3694 0.1610

Mercury -46066-06-12 20:23 J -15104020.76 -15104020.65 -15104020.55 0.3699 0.0724

Mercury -46061-12-26 12:57 J -15101997.02 -15101996.96 -15101996.90 0.3703 0.3026

Mercury -46047-10-22 17:59 J -15096948.84 -15096948.75 -15096948.65 0.3685 0.2739

Mercury -46041-05-07 21:35 J -15094924.71 -15094924.60 -15094924.49 0.3679 0.2318

Mercury -46021-12-18 08:38 J -15087395.20 -15087395.14 -15087395.09 0.3690 0.3087

Mercury -46015-07-04 01:26 J -15085371.55 -15085371.44 -15085371.34 0.3695 0.0747

Mercury -46009-01-17 17:59 J -15083347.84 -15083347.75 -15083347.65 0.3700 0.1600

46TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 46th millennium BCE.

PLANET	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
TRANSIT								
TIME								
Mercury	-45990-05-29	18:42	J	-15076275.86	-15076275.72	-15076275.59	0.3683	0.1003
Mercury	-45964-07-25	06:14	J	-15066722.32	-15066722.24	-15066722.15	0.3691	0.2202

Mercury -45958-02-07 23:02 J -15064698.65 -15064698.54 -15064698.43 0.3696 0.0164

Mercury -45953-08-23 15:50 J -15062674.92 -15062674.84 -15062674.76 0.3701 0.2467

Mercury -45933-01-03 18:57 J -15055602.85 -15055602.71 -15055602.57 0.3682 0.0747

Mercury -45913-08-15 11:16 J -15048073.04 -15048073.03 -15048073.03 0.3688 0.3686

Mercury -45907-03-01 04:04 J -15046049.43 -15046049.33 -15046049.23 0.3693 0.1311

Mercury -45902-09-14 20:52 J -15044025.73 -15044025.63 -15044025.53 0.3697 0.1040

Mercury -45896-03-30 13:26 J -15042001.98 -15042001.94 -15042001.90 0.3702 0.3333

Mercury -45882-01-24 16:18 J -15036953.93 -15036953.82 -15036953.72 0.3686 0.2507

Mercury -45877-08-09 19:40 J -15034929.78 -15034929.68 -15034929.58 0.3680 0.2522

Mercury -45856-03-22 08:52 J -15027400.20 -15027400.13 -15027400.06 0.3689 0.2783

Mercury -45851-10-06 01:40 J -15025376.53 -15025376.43 -15025376.32 0.3694 0.0445

Mercury -45845-04-20 18:28 J -15023352.82 -15023352.73 -15023352.64 0.3699 0.1917

Mercury -45826-08-31 16:47 J -15016280.94 -15016280.80 -15016280.67 0.3685 0.0777

Mercury -45800-10-27 06:42 J -15006727.31 -15006727.22 -15006727.13 0.3690 0.1884

Mercury -45794-05-12 23:30 J -15004703.62 -15004703.52 -15004703.41 0.3695 0.0477

Mercury -45789-11-25 16:18 J -15002679.89 -15002679.82 -15002679.75 0.3700 0.2786

Mercury -45769-04-06 17:16 J -14995607.92 -14995607.78 -14995607.64 0.3683 0.0993

Mercury -45749-11-17 11:30 J -14988078.06 -14988078.02 -14988077.98 0.3687 0.3368

Mercury -45743-06-03 04:33 J -14986054.42 -14986054.31 -14986054.21 0.3692 0.0998

Mercury -45738-12-17 21:21 J -14984030.71 -14984030.61 -14984030.51 0.3696 0.1359

Mercury -45732-07-02 13:54 J -14982006.94 -14982006.92 -14982006.91 0.3701 0.3645

Mercury -45718-04-28 14:38 J -14976959.01 -14976958.89 -14976958.78 0.3688 0.2241

Mercury -45713-11-11 17:45 J -14974934.85 -14974934.76 -14974934.66 0.3682 0.2786

Mercury -45692-06-24 09:21 J -14967405.19 -14967405.11 -14967405.03 0.3688 0.2476

Mercury -45686-01-08 02:09 J -14965381.51 -14965381.41 -14965381.30 0.3693 0.0138

Mercury -45681-07-23 18:57 J -14963357.80 -14963357.71 -14963357.63 0.3697 0.2215

Mercury -45662-12-03 14:52 J -14956286.02 -14956285.88 -14956285.74 0.3686 0.0521

Mercury -45635-01-29 07:11 J -14946732.30 -14946732.20 -14946732.11 0.3689 0.1580

Mercury -45630-08-14 23:59 J -14944708.61 -14944708.50 -14944708.40 0.3694 0.0784

Mercury -45624-02-27 16:33 J -14942684.86 -14942684.81 -14942684.75 0.3699 0.3093

Mercury -45605-07-09 15:21 J -14935612.99 -14935612.86 -14935612.72 0.3685 0.1240

Mercury -45584-02-19 11:59 J -14928083.06 -14928083.00 -14928082.94 0.3686 0.3067

Mercury -45579-09-05 04:47 J -14926059.40 -14926059.30 -14926059.19 0.3690 0.0687

Mercury -45573-03-20 21:35 J -14924035.69 -14924035.60 -14924035.50 0.3695 0.1664

Mercury -45554-07-31 12:42 J -14916964.09 -14916963.97 -14916963.85 0.3689 0.2003

Mercury -45548-02-13 16:04 J -14914939.91 -14914939.83 -14914939.75 0.3683 0.3025

Mercury -45528-09-26 09:50 J -14907410.18 -14907410.09 -14907410.01 0.3687 0.2159

Mercury -45522-04-12 02:38 J -14905386.50 -14905386.39 -14905386.28 0.3692 0.0216

Mercury -45517-10-25 19:26 J -14903362.77 -14903362.69 -14903362.61 0.3696 0.2541

Mercury -45497-03-06 13:11 J -14896291.09 -14896290.95 -14896290.81 0.3688 0.0271

Mercury -45477-10-17 14:38 J -14888760.90 -14888760.89 -14888760.88 0.3683 0.3655

Mercury -45471-05-03 07:40 J -14886737.29 -14886737.18 -14886737.08 0.3688 0.1260

Mercury -45466-11-17 00:28 J -14884713.59 -14884713.48 -14884713.38 0.3693 0.1109

Mercury -45460-06-01 17:02 J -14882689.82 -14882689.79 -14882689.75 0.3698 0.3419

Mercury -45446-03-28 10:33 J -14877642.10 -14877642.06 -14877642.01 0.3692 0.3440

Mercury -45441-10-11 13:40 J -14875618.06 -14875617.93 -14875617.80 0.3686 0.1505

Mercury -45420-05-24 12:28 J -14868088.05 -14868087.98 -14868087.91 0.3685 0.2749

Mercury -45415-12-08 05:16 J -14866064.39 -14866064.28 -14866064.17 0.3689 0.0363

Mercury -45409-06-22 22:04 J -14864040.67 -14864040.58 -14864040.49 0.3694 0.1978

Mercury -45390-11-02 11:02 J -14856969.16 -14856969.04 -14856968.92 0.3691 0.1728

Mercury -45384-05-18 14:09 J -14854944.97 -14854944.91 -14854944.84 0.3684 0.3282

Mercury -45364-12-29 10:04 J -14847415.17 -14847415.08 -14847414.98 0.3686 0.1843

Mercury -45358-07-15 03:06 J -14845391.48 -14845391.37 -14845391.27 0.3691 0.0542

Mercury -45352-01-27 19:54 J -14843367.74 -14843367.67 -14843367.61 0.3695 0.2862

Mercury -45333-06-08 11:30 J -14836296.16 -14836296.02 -14836295.88 0.3689 0.0023

Mercury -45312-01-19 14:52 J -14828765.92 -14828765.88 -14828765.83 0.3682 0.3345

Mercury -45307-08-05 07:54 J -14826742.27 -14826742.17 -14826742.07 0.3687 0.0946

Mercury -45301-02-19 00:42 J -14824718.57 -14824718.47 -14824718.37 0.3692 0.1415

Mercury -45282-06-30 08:52 J -14817647.19 -14817647.13 -14817647.06 0.3694 0.3171

Mercury -45276-01-13 11:45 J -14815623.13 -14815623.01 -14815622.88 0.3688 0.1733

Mercury -45256-08-26 12:42 J -14808093.05 -14808092.97 -14808092.89 0.3684 0.2432

Mercury -45250-03-12 05:45 J -14806069.37 -14806069.26 -14806069.15 0.3688 0.0108

Mercury -45245-09-24 22:33 J -14804045.64 -14804045.56 -14804045.48 0.3693 0.2305

Mercury -45225-02-04 09:21 J -14796974.24 -14796974.11 -14796973.99 0.3692 0.1486

Mercury -45220-08-20 12:14 J -14794950.03 -14794949.99 -14794949.94 0.3686 0.3487

Mercury -45199-04-02 10:33 J -14787420.16 -14787420.06 -14787419.96 0.3685 0.1522

Mercury -45194-10-17 03:21 J -14785396.46 -14785396.36 -14785396.25 0.3689 0.0863

Mercury -45188-05-01 20:23 J -14783372.71 -14783372.65 -14783372.60 0.3694 0.3191

Mercury -45169-09-10 09:50 J -14776301.23 -14776301.09 -14776300.96 0.3690 0.0269

Mercury -45148-04-23 15:21 J -14768770.92 -14768770.86 -14768770.80 0.3681 0.3019

Mercury -45143-11-07 08:23 J -14766747.26 -14766747.15 -14766747.05 0.3686 0.0622

Mercury -45137-05-23 01:11 J -14764723.54 -14764723.45 -14764723.35 0.3691 0.1744

Mercury -45118-10-02 07:26 J -14757652.28 -14757652.19 -14757652.11 0.3695 0.2901

Mercury -45112-04-17 10:04 J -14755628.19 -14755628.08 -14755627.96 0.3689 0.1985

Mercury -45092-11-28 13:11 J -14748098.04 -14748097.95 -14748097.86 0.3682 0.2107

Mercury -45086-06-14 05:59 J -14746074.35 -14746074.25 -14746074.14 0.3687 0.0312

Mercury -45081-12-27 23:02 J -14744050.62 -14744050.54 -14744050.47 0.3692 0.2631

Mercury -45061-05-08 07:40 J -14736979.31 -14736979.18 -14736979.05 0.3693 0.1203

Mercury -45041-12-19 17:59 J -14729448.77 -14729448.75 -14729448.74 0.3679 0.3623

Mercury -45035-07-05 10:47 J -14727425.15 -14727425.05 -14727424.94 0.3684 0.1220

Mercury -45029-01-19 03:50 J -14725401.44 -14725401.34 -14725401.24 0.3688 0.1170

Mercury -45024-08-03 20:38 J -14723377.67 -14723377.64 -14723377.61 0.3693 0.3498

Mercury -45005-12-13 07:54 J -14716306.31 -14716306.17 -14716306.03 0.3692 0.0497

45TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 45th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-44984-07-26 15:35 J	-14708775.92	-14708775.85	-14708775.77	0.3680	0.2714		
Mercury	-44978-02-09 08:38 J	-14706752.25	-14706752.14	-14706752.03	0.3685	0.0316		
Mercury	-44973-08-25 01:40 J	-14704728.52	-14704728.43	-14704728.34	0.3689	0.2063		
Mercury	-44953-01-04 05:30 J	-14697657.36	-14697657.27	-14697657.17	0.3696	0.2660		
Mercury	-44948-07-20 08:23 J	-14695633.26	-14695633.15	-14695633.04	0.3690	0.2225		
Mercury	-44927-03-02 13:26 J	-14688103.03	-14688102.94	-14688102.84	0.3681	0.1798		
Mercury	-44922-09-16 06:28 J	-14686079.34	-14686079.23	-14686079.12	0.3686	0.0605		
Mercury	-44916-03-31 23:16 J	-14684055.59	-14684055.53	-14684055.46	0.3691	0.2952		
Mercury	-44897-08-10 05:59 J	-14676984.39	-14676984.25	-14676984.12	0.3695	0.0967		
Mercury	-44876-03-23 18:14 J	-14669453.79	-14669453.74	-14669453.70	0.3678	0.3306		
Mercury	-44871-10-07 11:16 J	-14667430.13	-14667430.03	-14667429.92	0.3683	0.0882		
Mercury	-44865-04-22 04:18 J	-14665406.42	-14665406.32	-14665406.22	0.3687	0.1502		
Mercury	-44840-03-17 06:14 J	-14656311.37	-14656311.24	-14656311.10	0.3693	0.0749		
Mercury	-44820-10-28 16:04 J	-14648780.91	-14648780.83	-14648780.75	0.3679	0.2381		
Mercury	-44814-05-14 09:06 J	-14646757.23	-14646757.12	-14646757.01	0.3684	0.0057		
Mercury	-44809-11-27 02:09 J	-14644733.49	-14644733.41	-14644733.33	0.3688	0.2397		
Mercury	-44789-04-07 04:04 J	-14637662.43	-14637662.33	-14637662.22	0.3698	0.2374		
Mercury	-44784-10-22 06:42 J	-14635638.32	-14635638.22	-14635638.12	0.3692	0.2494		
Mercury	-44763-06-04 13:54 J	-14628108.02	-14628107.92	-14628107.82	0.3680	0.1467		
Mercury	-44758-12-19 06:57 J	-14626084.32	-14626084.21	-14626084.11	0.3685	0.0932		
Mercury	-44752-07-03 23:45 J	-14624060.56	-14624060.51	-14624060.46	0.3690	0.3272		
Mercury	-44733-11-12 04:18 J	-14616989.45	-14616989.32	-14616989.18	0.3696	0.0691		
Mercury	-44712-06-25 18:28 J	-14609458.79	-14609458.73	-14609458.66	0.3677	0.2988		
Mercury	-44706-01-09 11:45 J	-14607435.12	-14607435.01	-14607434.90	0.3682	0.0560		
Mercury	-44701-07-25 04:33 J	-14605411.40	-14605411.31	-14605411.21	0.3686	0.1821		
Mercury	-44676-06-19 04:47 J	-14596316.44	-14596316.30	-14596316.17	0.3695	0.1024		

Mercury -44655-01-30 16:18 J -14588785.90 -14588785.82 -14588785.73 0.3678 0.2068

Mercury -44650-08-16 09:35 J -14586762.21 -14586762.10 -14586762.00 0.3683 0.0376

Mercury -44644-03-01 02:23 J -14584738.47 -14584738.40 -14584738.33 0.3687 0.2712

Mercury -44625-07-10 02:23 J -14577667.51 -14577667.40 -14577667.28 0.3699 0.2109

Mercury -44619-01-24 04:47 J -14575643.39 -14575643.30 -14575643.20 0.3693 0.2721

Mercury -44604-02-20 21:06 J -14570136.64 -14570136.62 -14570136.60 0.3675 0.3590

Mercury -44599-09-06 14:09 J -14568113.01 -14568112.91 -14568112.80 0.3679 0.1148

Mercury -44593-03-22 07:11 J -14566089.30 -14566089.20 -14566089.09 0.3684 0.1258

Mercury -44588-10-06 00:14 J -14564065.51 -14564065.49 -14564065.47 0.3688 0.3608

Mercury -44568-02-14 02:38 J -14556994.52 -14556994.39 -14556994.25 0.3698 0.0440

Mercury -44548-09-27 18:57 J -14549463.78 -14549463.71 -14549463.63 0.3676 0.2653

Mercury -44542-04-13 11:59 J -14547440.10 -14547440.00 -14547439.89 0.3680 0.0262

Mercury -44537-10-27 05:02 J -14545416.37 -14545416.29 -14545416.20 0.3685 0.2155

Mercury -44517-03-07 00:42 J -14538345.51 -14538345.47 -14538345.43 0.3702 0.3487

Mercury -44512-09-21 02:52 J -14536321.51 -14536321.38 -14536321.25 0.3696 0.1269

Mercury -44491-05-04 16:47 J -14528790.89 -14528790.80 -14528790.70 0.3677 0.1726

Mercury -44486-11-18 09:50 J -14526767.19 -14526767.09 -14526766.98 0.3682 0.0690

Mercury -44480-06-03 02:52 J -14524743.44 -14524743.38 -14524743.32 0.3686 0.3050

Mercury -44461-10-12 00:57 J -14517672.58 -14517672.46 -14517672.34 0.3700 0.1830

Mercury -44455-04-28 03:21 J -14515648.44 -14515648.36 -14515648.28 0.3694 0.2984

Mercury -44440-05-25 21:21 J -14510141.65 -14510141.61 -14510141.56 0.3674 0.3259

Mercury -44435-12-09 14:38 J -14508118.00 -14508117.89 -14508117.78 0.3678 0.0809

Mercury -44429-06-24 07:40 J -14506094.28 -14506094.18 -14506094.08 0.3683 0.1583

Mercury -44404-05-19 01:11 J -14496999.59 -14496999.45 -14496999.31 0.3699 0.0165

Mercury -44384-12-30 19:26 J -14489468.78 -14489468.69 -14489468.61 0.3675 0.2331

Mercury -44378-07-16 12:28 J -14487445.09 -14487444.98 -14487444.87 0.3679 0.0118

Mercury -44372-01-29 05:30 J -14485421.35 -14485421.27 -14485421.19 0.3684 0.2483

Mercury -44353-06-08 23:16 J -14478350.60 -14478350.53 -14478350.47 0.3703 0.3205

Mercury -44348-12-24 01:11 J -14476326.57 -14476326.45 -14476326.32 0.3698 0.1508

Mercury -44327-08-06 17:02 J -14468795.89 -14468795.79 -14468795.69 0.3676 0.1416

Mercury -44321-02-20 10:18 J -14466772.18 -14466772.07 -14466771.97 0.3680 0.1012

Mercury -44316-09-05 03:21 J -14464748.40 -14464748.36 -14464748.32 0.3685 0.3381

Mercury -44296-01-13 23:16 J -14457677.65 -14457677.53 -14457677.41 0.3702 0.1584

Mercury -44291-07-31 01:40 J -14455653.50 -14455653.43 -14455653.37 0.3696 0.3233

Mercury -44276-08-27 21:50 J -14450146.66 -14450146.59 -14450146.53 0.3672 0.2933

Mercury -44270-03-13 14:52 J -14448122.98 -14448122.88 -14448122.77 0.3677 0.0510

Mercury -44265-09-26 08:09 J -14446099.25 -14446099.16 -14446099.07 0.3682 0.1922

Mercury -44240-08-20 23:30 J -14437004.66 -14437004.52 -14437004.39 0.3700 0.0127

Mercury -44219-04-03 19:40 J -14429473.77 -14429473.68 -14429473.59 0.3673 0.1998

Mercury -44214-10-18 12:42 J -14427450.07 -14427449.97 -14427449.86 0.3678 0.0462

Mercury -44208-05-03 05:59 J -14425426.32 -14425426.25 -14425426.19 0.3683 0.2827

Mercury -44189-09-10 21:35 J -14418355.68 -14418355.60 -14418355.52 0.3705 0.2949

Mercury -44183-03-27 23:45 J -14416331.63 -14416331.51 -14416331.39 0.3699 0.1776

Mercury -44168-04-25 00:14 J -14410824.51 -14410824.49 -14410824.46 0.3670 0.3532

Mercury -44163-11-08 17:30 J -14408800.87 -14408800.77 -14408800.66 0.3675 0.1071

Mercury -44157-05-24 10:47 J -14406777.16 -14406777.05 -14406776.95 0.3680 0.1358

Mercury -44132-04-17 21:50 J -14397682.72 -14397682.59 -14397682.47 0.3703 0.1309

Mercury -44127-11-01 23:59 J -14395658.54 -14395658.50 -14395658.46 0.3697 0.3503

Mercury -44112-11-29 22:04 J -14390151.65 -14390151.58 -14390151.50 0.3671 0.2597

Mercury -44106-06-15 15:21 J -14388127.97 -14388127.86 -14388127.75 0.3676 0.0151

Mercury -44101-12-29 08:23 J -14386104.23 -14386104.15 -14386104.06 0.3681 0.2260

Mercury -44076-11-22 21:50 J -14377009.72 -14377009.59 -14377009.45 0.3702 0.0368

Mercury -44055-07-06 19:54 J -14369478.76 -14369478.67 -14369478.57 0.3673 0.1676

Mercury -44049-01-20 13:11 J -14367455.06 -14367454.95 -14367454.84 0.3677 0.0767

Mercury -44044-08-05 06:14 J -14365431.29 -14365431.24 -14365431.19 0.3682 0.3144

Mercury -44025-12-13 20:09 J -14358360.75 -14358360.66 -14358360.57 0.3706 0.2676

Mercury -44019-06-29 22:04 J -14356336.69 -14356336.58 -14356336.46 0.3700 0.2051

Mercury -44004-07-28 00:28 J -14350829.53 -14350829.48 -14350829.43 0.3669 0.3217

44TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 44th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-43998-02-10 17:45 J	-14348805.86	-14348805.76	-14348805.65	0.3674	0.0753		
Mercury	-43993-08-26 11:02 J	-14346782.14	-14346782.04	-14346781.94	0.3678	0.1678		
Mercury	-43968-07-20 20:09 J	-14337687.79	-14337687.66	-14337687.53	0.3705	0.1043		
Mercury	-43947-03-03 22:18 J	-14330156.65	-14330156.57	-14330156.48	0.3670	0.2280		
Mercury	-43942-09-17 15:50 J	-14328132.95	-14328132.84	-14328132.73	0.3675	0.0239		
Mercury	-43936-04-02 08:52 J	-14326109.21	-14326109.13	-14326109.06	0.3679	0.2587		
Mercury	-43911-02-24 20:23 J	-14317014.79	-14317014.65	-14317014.52	0.3703	0.0628		
Mercury	-43891-10-08 20:23 J	-14309483.75	-14309483.65	-14309483.55	0.3671	0.1334		
Mercury	-43885-04-23 13:40 J	-14307460.04	-14307459.93	-14307459.83	0.3676	0.1116		
Mercury	-43880-11-07 06:42 J	-14305436.25	-14305436.22	-14305436.19	0.3681	0.3492		
Mercury	-43860-03-17 18:42 J	-14298365.83	-14298365.72	-14298365.62	0.3707	0.2401		
Mercury	-43855-10-01 20:38 J	-14296341.75	-14296341.64	-14296341.54	0.3701	0.2307		
Mercury	-43840-10-30 00:57 J	-14290834.53	-14290834.46	-14290834.40	0.3668	0.2873		
Mercury	-43834-05-15 18:14 J	-14288810.85	-14288810.74	-14288810.63	0.3673	0.0395		
Mercury	-43829-11-28 11:30 J	-14286787.11	-14286787.02	-14286786.93	0.3677	0.2028		
Mercury	-43804-10-22 18:42 J	-14277692.85	-14277692.72	-14277692.58	0.3706	0.0752		
Mercury	-43783-06-05 22:47 J	-14270161.64	-14270161.55	-14270161.46	0.3669	0.1934		
Mercury	-43778-12-20 16:04 J	-14268137.94	-14268137.83	-14268137.72	0.3674	0.0530		
Mercury	-43772-07-05 09:06 J	-14266114.18	-14266114.12	-14266114.05	0.3679	0.2924		
Mercury	-43747-05-29 18:57 J	-14257019.85	-14257019.71	-14257019.58	0.3704	0.0910		

Mercury -43732-06-27 03:21 J -14251512.39 -14251512.36 -14251512.33 0.3666 0.3492

Mercury -43726-01-10 20:38 J -14249488.74 -14249488.64 -14249488.53 0.3671 0.0998

Mercury -43721-07-26 13:54 J -14247465.02 -14247464.92 -14247464.82 0.3675 0.1436

Mercury -43696-06-19 17:16 J -14238370.89 -14238370.78 -14238370.67 0.3709 0.2112

Mercury -43690-01-03 18:57 J -14236346.81 -14236346.71 -14236346.62 0.3703 0.2546

Mercury -43675-02-01 01:11 J -14230839.53 -14230839.45 -14230839.37 0.3667 0.2543

Mercury -43670-08-17 18:28 J -14228815.84 -14228815.73 -14228815.62 0.3671 0.0110

Mercury -43664-03-02 11:45 J -14226792.09 -14226792.01 -14226791.93 0.3676 0.2352

Mercury -43639-01-24 17:16 J -14217697.92 -14217697.78 -14217697.65 0.3707 0.0501

Mercury -43619-09-07 23:02 J -14210166.64 -14210166.54 -14210166.44 0.3668 0.1600

Mercury -43613-03-23 16:18 J -14208142.92 -14208142.82 -14208142.71 0.3673 0.0868

Mercury -43608-10-07 09:35 J -14206119.15 -14206119.10 -14206119.05 0.3677 0.3271

Mercury -43588-02-14 15:50 J -14199048.89 -14199048.84 -14199048.80 0.3711 0.3445

Mercury -43583-08-31 17:16 J -14197024.91 -14197024.78 -14197024.65 0.3706 0.1142

Mercury -43568-09-29 03:35 J -14191517.40 -14191517.35 -14191517.29 0.3665 0.3147

Mercury -43562-04-14 21:06 J -14189493.73 -14189493.62 -14189493.52 0.3669 0.0666

Mercury -43557-10-28 14:23 J -14187470.00 -14187469.90 -14187469.81 0.3674 0.1790

Mercury -43532-09-21 15:50 J -14178375.96 -14178375.84 -14178375.73 0.3710 0.1837

Mercury -43526-04-07 17:16 J -14176351.86 -14176351.78 -14176351.69 0.3704 0.2815

Mercury -43511-05-06 01:26 J -14170844.52 -14170844.44 -14170844.35 0.3666 0.2201

Mercury -43506-11-19 18:57 J -14168820.82 -14168820.71 -14168820.60 0.3670 0.0285

Mercury -43500-06-04 12:14 J -14166797.07 -14166796.99 -14166796.92 0.3675 0.2705

Mercury -43475-04-28 15:50 J -14157702.98 -14157702.84 -14157702.71 0.3708 0.0234

Mercury -43455-12-10 23:30 J -14150171.63 -14150171.52 -14150171.42 0.3667 0.1253

Mercury -43449-06-25 16:47 J -14148147.91 -14148147.80 -14148147.70 0.3672 0.1203

Mercury -43443-01-09 10:04 J -14146124.10 -14146124.08 -14146124.07 0.3676 0.3617

Mercury -43424-05-19 14:23 J -14139053.97 -14139053.90 -14139053.83 0.3713 0.3143

Mercury -43419-12-03 15:50 J -14137029.97 -14137029.84 -14137029.72 0.3707 0.1421

Mercury -43403-01-01 03:50 J -14131522.41 -14131522.34 -14131522.27 0.3664 0.2813

Mercury -43398-07-17 21:21 J -14129498.72 -14129498.61 -14129498.50 0.3668 0.0326

Mercury -43392-01-30 14:38 J -14127474.98 -14127474.89 -14127474.80 0.3673 0.2123

Mercury -43368-12-24 14:09 J -14118381.03 -14118380.91 -14118380.78 0.3711 0.1573

Mercury -43362-07-10 15:50 J -14116356.91 -14116356.84 -14116356.77 0.3706 0.3080

Mercury -43347-08-08 01:54 J -14110849.52 -14110849.42 -14110849.33 0.3665 0.1873

Mercury -43341-02-21 19:11 J -14108825.81 -14108825.70 -14108825.59 0.3669 0.0617

Mercury -43336-09-06 12:28 J -14106802.04 -14106801.98 -14106801.92 0.3674 0.3045

Mercury -43311-07-31 14:09 J -14097708.04 -14097707.91 -14097707.77 0.3710 0.0106

Mercury -43296-08-29 06:14 J -14092200.28 -14092200.24 -14092200.20 0.3662 0.3433

Mercury -43290-03-14 23:45 J -14090176.62 -14090176.51 -14090176.40 0.3666 0.0918

Mercury -43285-09-27 17:02 J -14088152.89 -14088152.79 -14088152.69 0.3671 0.1554

Mercury -43260-08-21 12:57 J -14079059.04 -14079058.96 -14079058.88 0.3714 0.2883

Mercury -43254-03-07 14:23 J -14077035.03 -14077034.90 -14077034.78 0.3708 0.1692

Mercury -43239-04-05 04:18 J -14071527.41 -14071527.32 -14071527.24 0.3663 0.2477

Mercury -43234-10-19 21:35 J -14069503.71 -14069503.60 -14069503.49 0.3667 0.0105

Mercury -43228-05-04 14:52 J -14067479.95 -14067479.88 -14067479.80 0.3672 0.2482

Mercury -43203-03-28 12:57 J -14058386.09 -14058385.96 -14058385.84 0.3713 0.1296

Mercury -43198-10-12 14:23 J -14056361.96 -14056361.90 -14056361.85 0.3707 0.3348

Mercury -43183-11-10 02:09 J -14050854.51 -14050854.41 -14050854.31 0.3664 0.1515

Mercury -43177-05-25 19:40 J -14048830.79 -14048830.68 -14048830.58 0.3669 0.0975

Mercury -43172-12-09 12:57 J -14046807.00 -14046806.96 -14046806.92 0.3673 0.3399

Mercury -43147-11-02 12:57 J -14037713.10 -14037712.96 -14037712.83 0.3711 0.0348

Mercury -43132-12-01 06:28 J -14032205.28 -14032205.23 -14032205.17 0.3661 0.3087

Mercury -43126-06-16 23:59 J -14030181.61 -14030181.50 -14030181.39 0.3665 0.0579

Mercury -43121-12-30 17:30 J -14028157.87 -14028157.77 -14028157.68 0.3670 0.1899

Mercury -43096-11-23 11:30 J -14019064.11 -14019064.02 -14019063.92 0.3715 0.2588

Mercury -43090-06-09 12:57 J -14017040.08 -14017039.96 -14017039.85 0.3710 0.1969

Mercury -43075-07-08 04:33 J -14011532.40 -14011532.31 -14011532.22 0.3662 0.2135

Mercury -43069-01-21 22:04 J -14009508.69 -14009508.58 -14009508.47 0.3666 0.0393

Mercury -43064-08-06 15:21 J -14007484.93 -14007484.86 -14007484.79 0.3671 0.2814

Mercury -43039-06-30 11:30 J -13998391.15 -13998391.02 -13998390.89 0.3714 0.1000

Mercury -43033-01-14 12:42 J -13996367.00 -13996366.97 -13996366.94 0.3708 0.3597

Mercury -43018-02-12 02:23 J -13990859.50 -13990859.40 -13990859.29 0.3663 0.1177

Mercury -43013-08-27 19:54 J -13988835.77 -13988835.67 -13988835.57 0.3667 0.1308

43RD MILLENNIUM BCE

This is a list of transits visible from Venus in the 43rd millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-42982-02-04 11:16 J	-13977718.16	-13977718.03	-13977717.89	0.3712	0.0597		
Mercury	-42967-03-05 06:42 J	-13972210.29	-13972210.22	-13972210.14	0.3660	0.2753		
Mercury	-42962-09-19 00:28 J	-13970186.60	-13970186.48	-13970186.37	0.3664	0.0260		
Mercury	-42956-04-03 17:45 J	-13968162.85	-13968162.76	-13968162.67	0.3668	0.2242		
Mercury	-42931-02-25 10:18 J	-13959069.18	-13959069.07	-13959068.97	0.3717	0.2310		
Mercury	-42926-09-11 11:16 J	-13957045.13	-13957045.03	-13957044.92	0.3711	0.2216		
Mercury	-42911-10-10 04:47 J	-13951537.40	-13951537.30	-13951537.20	0.3661	0.1779		
Mercury	-42905-04-24 22:18 J	-13949513.68	-13949513.57	-13949513.46	0.3665	0.0725		
Mercury	-42900-11-08 15:35 J	-13947489.90	-13947489.85	-13947489.79	0.3670	0.3172		
Mercury	-42875-10-02 10:04 J	-13938396.21	-13938396.08	-13938395.95	0.3715	0.0724		
Mercury	-42860-10-31 09:06 J	-13932888.16	-13932888.12	-13932888.08	0.3657	0.3368		
Mercury	-42854-05-17 02:52 J	-13930864.49	-13930864.38	-13930864.28	0.3662	0.0830		
Mercury	-42849-11-29 20:09 J	-13928840.76	-13928840.66	-13928840.56	0.3666	0.1668		
Mercury	-42824-10-23 09:06 J	-13919747.15	-13919747.12	-13919747.09	0.3719	0.3563		
Mercury	-42818-05-09 10:04 J	-13917723.21	-13917723.08	-13917722.95	0.3714	0.0878		
Mercury	-42803-06-07 07:11 J	-13912215.29	-13912215.20	-13912215.12	0.3659	0.2399		

Mercury -42798-12-22 00:42 J -13910191.58 -13910191.47 -13910191.36 0.3663 0.0131

Mercury -42792-07-06 17:59 J -13908167.82 -13908167.75 -13908167.67 0.3668 0.2595

Mercury -42767-05-30 08:52 J -13899074.24 -13899074.13 -13899074.02 0.3718 0.2010

Mercury -42762-12-14 09:50 J -13897050.18 -13897050.09 -13897049.99 0.3712 0.2496

Mercury -42746-01-12 05:02 J -13891542.39 -13891542.29 -13891542.19 0.3660 0.1435

Mercury -42741-07-27 22:33 J -13889518.67 -13889518.56 -13889518.45 0.3664 0.1063

Mercury -42735-02-10 16:04 J -13887494.86 -13887494.83 -13887494.81 0.3669 0.3520

Mercury -42710-01-04 08:38 J -13878401.27 -13878401.14 -13878401.01 0.3717 0.0466

Mercury -42695-02-02 09:21 J -13872893.17 -13872893.11 -13872893.05 0.3657 0.3025

Mercury -42690-08-19 03:06 J -13870869.49 -13870869.37 -13870869.26 0.3661 0.0502

Mercury -42684-03-03 20:23 J -13868845.74 -13868845.65 -13868845.55 0.3665 0.2016

Mercury -42659-01-25 07:40 J -13859752.24 -13859752.18 -13859752.12 0.3721 0.3296

Mercury -42654-08-11 08:38 J -13857728.27 -13857728.14 -13857728.02 0.3715 0.1143

Mercury -42639-09-09 07:26 J -13852220.28 -13852220.19 -13852220.10 0.3658 0.2052

Mercury -42633-03-25 00:57 J -13850196.57 -13850196.46 -13850196.35 0.3662 0.0472

Mercury -42628-10-08 18:28 J -13848172.79 -13848172.73 -13848172.67 0.3667 0.2950

Mercury -42603-09-01 07:26 J -13839079.30 -13839079.19 -13839079.07 0.3719 0.1754

Mercury -42597-03-17 08:23 J -13837055.23 -13837055.15 -13837055.06 0.3714 0.2765

Mercury -42588-09-30 11:30 J -13833571.02 -13833571.02 -13833571.01 0.3654 0.3652

Mercury -42582-04-16 05:16 J -13831547.38 -13831547.28 -13831547.17 0.3659 0.1086

Mercury -42577-10-29 23:02 J -13829523.65 -13829523.54 -13829523.44 0.3663 0.1434

Mercury -42546-04-08 07:26 J -13818406.33 -13818406.19 -13818406.06 0.3718 0.0195

Mercury -42531-05-07 09:35 J -13812898.17 -13812898.10 -13812898.02 0.3655 0.2668

Mercury -42526-11-21 03:21 J -13810874.47 -13810874.36 -13810874.25 0.3660 0.0125

Mercury -42520-06-05 20:52 J -13808850.71 -13808850.63 -13808850.55 0.3664 0.2370

Mercury -42495-04-29 06:28 J -13799757.31 -13799757.23 -13799757.15 0.3722 0.2997

Mercury -42490-11-13 07:11 J -13797733.32 -13797733.20 -13797733.07 0.3716 0.1435

Mercury -42475-12-12 07:40 J -13792225.28 -13792225.18 -13792225.08 0.3657 0.1695

Mercury -42469-06-27 01:11 J -13790201.56 -13790201.45 -13790201.34 0.3661 0.0831

Mercury -42463-01-10 18:42 J -13788177.76 -13788177.72 -13788177.67 0.3666 0.3306

Mercury -42439-12-04 06:14 J -13779084.36 -13779084.24 -13779084.12 0.3721 0.1457

Mercury -42433-06-19 07:11 J -13777060.28 -13777060.20 -13777060.13 0.3715 0.3043

Mercury -42423-01-02 11:59 J -13773576.05 -13773576.00 -13773575.96 0.3654 0.3300

Mercury -42418-07-19 05:30 J -13771552.38 -13771552.27 -13771552.16 0.3658 0.0746

Mercury -42412-01-31 23:16 J -13769528.63 -13769528.53 -13769528.44 0.3662 0.1779

Mercury -42382-07-11 05:59 J -13758411.38 -13758411.25 -13758411.11 0.3719 0.0152

Mercury -42367-08-09 09:50 J -13752903.17 -13752903.09 -13752903.00 0.3654 0.2329

Mercury -42361-02-23 03:35 J -13750879.46 -13750879.35 -13750879.24 0.3659 0.0226

Mercury -42356-09-07 21:06 J -13748855.69 -13748855.62 -13748855.55 0.3663 0.2721

Mercury -42331-08-01 05:16 J -13739762.37 -13739762.28 -13739762.20 0.3723 0.2719

Mercury -42325-02-15 05:45 J -13737738.37 -13737738.26 -13737738.14 0.3717 0.1695

Mercury -42310-03-16 07:54 J -13732230.28 -13732230.17 -13732230.07 0.3656 0.1352

Mercury -42305-09-29 01:40 J -13730206.54 -13730206.43 -13730206.33 0.3660 0.1197

Mercury -42299-04-14 18:57 J -13728182.71 -13728182.71 -13728182.70 0.3664 0.3662

Mercury -42274-03-08 05:02 J -13719089.42 -13719089.29 -13719089.17 0.3722 0.1166

Mercury -42269-09-21 05:45 J -13717065.32 -13717065.26 -13717065.20 0.3716 0.3293

Mercury -42259-04-06 11:59 J -13713581.06 -13713581.00 -13713580.93 0.3652 0.2955

Mercury -42254-10-21 05:59 J -13711557.37 -13711557.25 -13711557.14 0.3657 0.0395

Mercury -42248-05-05 23:30 J -13709533.61 -13709533.52 -13709533.43 0.3661 0.2141

Mercury -42218-10-13 04:47 J -13698416.43 -13698416.30 -13698416.17 0.3720 0.0402

Mercury -42203-11-11 10:04 J -13692908.17 -13692908.08 -13692907.98 0.3653 0.1968

Mercury -42197-05-27 03:50 J -13690884.45 -13690884.34 -13690884.23 0.3658 0.0599

Mercury -42192-12-10 21:35 J -13688860.66 -13688860.60 -13688860.55 0.3662 0.3090

Mercury -42167-11-03 04:04 J -13679767.43 -13679767.33 -13679767.23 0.3724 0.2405

Mercury -42161-05-19 04:33 J -13677743.42 -13677743.31 -13677743.20 0.3719 0.1979

Mercury -42152-12-02 14:23 J -13674258.92 -13674258.90 -13674258.89 0.3650 0.3583

Mercury -42146-06-18 08:09 J -13672235.27 -13672235.16 -13672235.05 0.3655 0.0993

Mercury -42140-01-01 01:54 J -13670211.52 -13670211.42 -13670211.32 0.3659 0.1549

Mercury -42110-06-10 03:50 J -13659094.47 -13659094.34 -13659094.22 0.3723 0.0868

Mercury -42105-12-24 04:18 J -13657070.36 -13657070.32 -13657070.29 0.3717 0.3560

Mercury -42095-07-09 12:14 J -13653586.06 -13653585.99 -13653585.91 0.3651 0.2604

Mercury -42089-01-23 06:14 J -13651562.36 -13651562.24 -13651562.13 0.3656 0.0107

Mercury -42084-08-07 23:45 J -13649538.59 -13649538.51 -13649538.43 0.3660 0.2488

Mercury -42059-07-01 03:06 J -13640445.39 -13640445.37 -13640445.34 0.3727 0.3634

Mercury -42053-01-15 03:21 J -13638421.49 -13638421.36 -13638421.23 0.3721 0.0657

Mercury -42038-02-13 10:18 J -13632913.17 -13632913.07 -13632912.97 0.3653 0.1619

Mercury -42033-08-29 04:04 J -13630889.44 -13630889.33 -13630889.22 0.3657 0.0945

Mercury -42027-03-14 21:50 J -13628865.63 -13628865.59 -13628865.56 0.3661 0.3436

Mercury -42002-02-05 02:38 J -13619772.49 -13619772.39 -13619772.28 0.3725 0.2133

42ND MILLENNIUM BCE

This is a list of transits visible from Venus in the 42nd millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-41997-08-21 03:06 J	-13617748.47	-13617748.37	-13617748.26	0.3720	0.2231		
Mercury	-41987-03-06 14:23 J	-13614263.95	-13614263.90	-13614263.85	0.3649	0.3242		
Mercury	-41982-09-20 08:23 J	-13612240.26	-13612240.15	-13612240.04	0.3654	0.0635		
Mercury	-41976-04-05 02:09 J	-13610216.51	-13610216.41	-13610216.32	0.3658	0.1901		
Mercury	-41946-09-12 02:23 J	-13599099.53	-13599099.40	-13599099.27	0.3724	0.0608		
Mercury	-41931-10-11 12:28 J	-13593591.06	-13593590.98	-13593590.89	0.3650	0.2242		
Mercury	-41925-04-26 06:28 J	-13591567.34	-13591567.23	-13591567.12	0.3655	0.0349		
Mercury	-41920-11-09 23:59 J	-13589543.56	-13589543.50	-13589543.43	0.3659	0.2861		
Mercury	-41895-10-03 01:54 J	-13580450.47	-13580450.42	-13580450.36	0.3728	0.3334		

Mercury -41889-04-18 02:09 J -13578426.54 -13578426.41 -13578426.28 0.3723 0.0947

Mercury -41874-05-18 10:33 J -13572918.16 -13572918.06 -13572917.95 0.3652 0.1255

Mercury -41869-12-01 04:33 J -13570894.42 -13570894.31 -13570894.21 0.3656 0.1318

Mercury -41838-05-10 01:40 J -13559777.55 -13559777.43 -13559777.32 0.3726 0.1835

Mercury -41833-11-23 01:54 J -13557753.52 -13557753.42 -13557753.32 0.3721 0.2522

Mercury -41823-06-08 14:38 J -13554268.95 -13554268.89 -13554268.82 0.3649 0.2878

Mercury -41818-12-23 08:38 J -13552245.25 -13552245.14 -13552245.03 0.3653 0.0273

Mercury -41812-07-08 02:23 J -13550221.49 -13550221.40 -13550221.31 0.3657 0.2262

Mercury -41782-12-15 01:11 J -13539104.58 -13539104.45 -13539104.32 0.3725 0.0317

Mercury -41766-01-13 12:42 J -13533596.06 -13533595.97 -13533595.87 0.3650 0.1887

Mercury -41761-07-29 06:42 J -13531572.33 -13531572.22 -13531572.11 0.3654 0.0698

Mercury -41755-02-12 00:28 J -13529548.54 -13529548.48 -13529548.43 0.3658 0.3217

Mercury -41730-01-05 00:42 J -13520455.54 -13520455.47 -13520455.40 0.3729 0.3055

Mercury -41725-07-21 00:57 J -13518431.59 -13518431.46 -13518431.34 0.3724 0.1232

Mercury -41715-02-03 16:47 J -13514946.82 -13514946.80 -13514946.77 0.3647 0.3526

Mercury -41710-08-20 10:47 J -13512923.16 -13512923.05 -13512922.94 0.3651 0.0902

Mercury -41704-03-05 04:33 J -13510899.41 -13510899.31 -13510899.21 0.3655 0.1670

Mercury -41674-08-12 00:14 J -13499782.60 -13499782.49 -13499782.37 0.3728 0.1558

Mercury -41668-02-25 00:42 J -13497758.56 -13497758.47 -13497758.39 0.3722 0.2798

Mercury -41659-09-10 14:52 J -13494273.96 -13494273.88 -13494273.80 0.3647 0.2521

Mercury -41653-03-26 08:52 J -13492250.24 -13492250.13 -13492250.02 0.3652 0.0086

Mercury -41648-10-10 02:38 J -13490226.46 -13490226.39 -13490226.31 0.3656 0.2632

Mercury -41617-03-17 23:59 J -13479109.63 -13479109.50 -13479109.37 0.3726 0.0038

Mercury -41602-04-17 12:57 J -13473601.06 -13473600.96 -13473600.85 0.3649 0.1524

Mercury -41597-10-31 06:57 J -13471577.32 -13471577.21 -13471577.10 0.3653 0.1066

Mercury -41591-05-17 00:42 J -13469553.49 -13469553.47 -13469553.45 0.3657 0.3589

Mercury -41566-04-08 23:30 J -13460460.60 -13460460.52 -13460460.43 0.3730 0.2760

Mercury -41561-10-22 23:45 J -13458436.63 -13458436.51 -13458436.39 0.3725 0.1522

Mercury -41551-05-08 17:02 J -13454951.84 -13454951.79 -13454951.73 0.3645 0.3157

Mercury -41546-11-22 11:02 J -13452928.15 -13452928.04 -13452927.93 0.3650 0.0534

Mercury -41540-06-07 05:02 J -13450904.39 -13450904.29 -13450904.20 0.3654 0.2039

Mercury -41510-11-13 23:16 J -13439787.66 -13439787.53 -13439787.41 0.3729 0.1249

Mercury -41504-05-29 23:16 J -13437763.60 -13437763.53 -13437763.45 0.3724 0.3090

Mercury -41495-12-13 15:06 J -13434278.96 -13434278.87 -13434278.78 0.3647 0.2155

Mercury -41489-06-28 09:06 J -13432255.23 -13432255.12 -13432255.01 0.3651 0.0449

Mercury -41483-01-12 02:52 J -13430231.44 -13430231.38 -13430231.31 0.3655 0.2999

Mercury -41453-06-19 22:47 J -13419114.68 -13419114.55 -13419114.42 0.3728 0.0269

Mercury -41438-07-20 13:11 J -13413606.06 -13413605.95 -13413605.84 0.3648 0.1165

Mercury -41432-02-02 07:11 J -13411582.31 -13411582.20 -13411582.10 0.3652 0.1428

Mercury -41402-07-11 22:33 J -13400465.66 -13400465.56 -13400465.47 0.3732 0.2455

Mercury -41396-01-24 22:18 J -13398441.68 -13398441.57 -13398441.45 0.3726 0.1786

Mercury -41387-08-10 17:16 J -13394956.85 -13394956.78 -13394956.71 0.3645 0.2812

Mercury -41381-02-24 11:16 J -13392933.14 -13392933.03 -13392932.92 0.3649 0.0173

Mercury -41376-09-09 05:16 J -13390909.37 -13390909.28 -13390909.20 0.3653 0.2399

Mercury -41345-02-15 22:04 J -13379792.71 -13379792.58 -13379792.46 0.3730 0.0976

Mercury -41340-08-31 22:04 J -13377768.64 -13377768.58 -13377768.53 0.3725 0.3333

Mercury -41330-03-17 15:21 J -13374283.96 -13374283.86 -13374283.76 0.3646 0.1802

Mercury -41325-09-30 09:21 J -13372260.22 -13372260.11 -13372260.00 0.3650 0.0819

Mercury -41319-04-16 03:06 J -13370236.41 -13370236.37 -13370236.33 0.3654 0.3363

Mercury -41294-03-08 21:50 J -13361143.62 -13361143.59 -13361143.56 0.3734 0.3632

Mercury -41289-09-21 21:35 J -13359119.73 -13359119.60 -13359119.47 0.3729 0.0538

Mercury -41279-04-07 19:11 J -13355634.73 -13355634.70 -13355634.66 0.3642 0.3457

Mercury -41274-10-22 13:26 J -13353611.05 -13353610.94 -13353610.83 0.3647 0.0792

Mercury -41268-05-07 07:26 J -13351587.29 -13351587.19 -13351587.09 0.3651 0.1800

Mercury -41238-10-13 21:21 J -13340470.71 -13340470.61 -13340470.51 0.3732 0.2156

Mercury -41232-04-28 21:06 J -13338446.72 -13338446.62 -13338446.51 0.3727 0.2075

Mercury -41223-11-12 17:30 J -13334961.86 -13334961.77 -13334961.69 0.3644 0.2441

Mercury -41217-05-28 11:30 J -13332938.13 -13332938.02 -13332937.91 0.3648 0.0209

Mercury -41212-12-12 05:30 J -13330914.34 -13330914.27 -13330914.20 0.3652 0.2775

Mercury -41181-05-19 20:52 J -13319797.76 -13319797.63 -13319797.50 0.3731 0.0671

Mercury -41176-12-03 20:52 J -13317773.66 -13317773.63 -13317773.60 0.3726 0.3624

Mercury -41166-06-19 15:35 J -13314288.96 -13314288.85 -13314288.75 0.3645 0.1430

Mercury -41160-01-02 09:35 J -13312265.21 -13312265.10 -13312264.99 0.3649 0.1191

Mercury -41130-06-10 20:52 J -13301148.69 -13301148.63 -13301148.58 0.3735 0.3318

Mercury -41125-12-24 20:23 J -13299124.78 -13299124.65 -13299124.52 0.3730 0.0829

Mercury -41115-07-10 19:26 J -13295639.75 -13295639.69 -13295639.63 0.3642 0.3097

Mercury -41109-01-24 13:40 J -13293616.04 -13293615.93 -13293615.82 0.3646 0.0429

Mercury -41104-08-09 07:40 J -13291592.27 -13291592.18 -13291592.09 0.3650 0.2159

Mercury -41073-01-15 20:09 J -13280475.77 -13280475.66 -13280475.55 0.3734 0.1886

Mercury -41068-07-31 19:54 J -13278451.77 -13278451.67 -13278451.57 0.3729 0.2349

Mercury -41058-02-14 17:30 J -13274966.86 -13274966.77 -13274966.67 0.3643 0.2080

Mercury -41053-08-30 11:45 J -13272943.12 -13272943.01 -13272942.90 0.3647 0.0567

Mercury -41047-03-16 05:45 J -13270919.32 -13270919.26 -13270919.21 0.3651 0.3137

Mercury -41017-08-21 19:40 J -13259802.81 -13259802.68 -13259802.55 0.3732 0.0396

Mercury -41002-09-21 15:50 J -13254293.95 -13254293.84 -13254293.74 0.3644 0.1072

41ST MILLENNIUM BCE

This is a list of transits visible from Venus in the 41st millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-40996-04-06 09:50 J	-13252270.19	-13252270.09	-13252269.99	0.3648	0.1552		
Mercury	-40966-09-12 19:40 J	-13241153.75	-13241153.68	-13241153.61	0.3736	0.3044		
Mercury	-40960-03-28 19:11 J	-13239129.82	-13239129.70	-13239129.57	0.3731	0.1118		
Mercury	-40951-10-12 19:40 J	-13235644.76	-13235644.68	-13235644.61	0.3641	0.2723		

Mercury -40945-04-27 13:54 J -13233621.04 -13233620.92 -13233620.81 0.3645 0.0107

Mercury -40940-11-11 07:54 J -13231597.25 -13231597.17 -13231597.09 0.3649 0.2540

Mercury -40909-04-18 19:11 J -13220480.82 -13220480.70 -13220480.59 0.3735 0.1579

Mercury -40904-11-02 18:57 J -13218456.80 -13218456.71 -13218456.62 0.3730 0.2647

Mercury -40894-05-19 17:45 J -13214971.86 -13214971.76 -13214971.66 0.3642 0.1699

Mercury -40889-12-02 11:59 J -13212948.11 -13212948.00 -13212947.89 0.3646 0.0944

Mercury -40883-06-18 05:59 J -13210924.28 -13210924.25 -13210924.23 0.3650 0.3516

Mercury -40853-11-23 18:42 J -13199807.85 -13199807.72 -13199807.59 0.3733 0.0103

Mercury -40843-06-09 21:35 J -13196322.64 -13196322.60 -13196322.56 0.3639 0.3385

Mercury -40838-12-24 15:50 J -13194298.95 -13194298.84 -13194298.72 0.3643 0.0697

Mercury -40832-07-09 10:04 J -13192275.18 -13192275.08 -13192274.99 0.3647 0.1926

Mercury -40802-12-15 18:42 J -13181158.81 -13181158.72 -13181158.64 0.3737 0.2743

Mercury -40796-06-30 18:14 J -13179134.86 -13179134.74 -13179134.62 0.3732 0.1410

Mercury -40786-01-14 19:40 J -13175649.76 -13175649.68 -13175649.59 0.3640 0.2359

Mercury -40781-07-30 13:54 J -13173626.03 -13173625.92 -13173625.80 0.3644 0.0321

Mercury -40775-02-13 08:09 J -13171602.23 -13171602.16 -13171602.10 0.3648 0.2910

Mercury -40745-07-21 17:59 J -13160485.87 -13160485.75 -13160485.63 0.3736 0.1280

Mercury -40739-02-04 17:30 J -13158461.85 -13158461.77 -13158461.69 0.3731 0.2905

Mercury -40730-08-21 17:59 J -13154976.86 -13154976.75 -13154976.65 0.3641 0.1348

Mercury -40724-03-06 11:59 J -13152953.10 -13152953.00 -13152952.89 0.3645 0.1313

Mercury -40688-02-25 17:30 J -13139812.90 -13139812.77 -13139812.64 0.3734 0.0195

Mercury -40679-09-11 21:35 J -13136327.66 -13136327.60 -13136327.53 0.3638 0.3023

Mercury -40673-03-27 16:04 J -13134303.94 -13134303.83 -13134303.72 0.3642 0.0325

Mercury -40668-10-11 10:18 J -13132280.16 -13132280.07 -13132279.99 0.3646 0.2308

Mercury -40637-03-18 17:30 J -13121163.86 -13121163.77 -13121163.67 0.3738 0.2435

Mercury -40632-10-02 17:02 J -13119139.91 -13119139.79 -13119139.68 0.3733 0.1683

Mercury -40622-04-18 19:54 J -13115654.77 -13115654.67 -13115654.57 0.3639 0.1985

Mercury -40617-11-01 14:09 J -13113631.02 -13113630.91 -13113630.79 0.3643 0.0692

Mercury -40611-05-18 08:23 J -13111607.20 -13111607.15 -13111607.11 0.3647 0.3293

Mercury -40581-10-23 17:02 J -13100490.91 -13100490.79 -13100490.67 0.3737 0.0974

Mercury -40575-05-09 16:33 J -13098466.88 -13098466.81 -13098466.75 0.3732 0.3187

Mercury -40566-11-23 17:59 J -13094981.86 -13094981.75 -13094981.63 0.3640 0.0970

Mercury -40560-06-08 12:14 J -13092958.09 -13092957.99 -13092957.88 0.3644 0.1696

Mercury -40530-11-14 17:16 J -13081841.81 -13081841.78 -13081841.74 0.3741 0.3555

Mercury -40524-05-30 16:33 J -13079817.94 -13079817.81 -13079817.69 0.3736 0.0499

Mercury -40515-12-14 21:50 J -13076332.67 -13076332.59 -13076332.51 0.3637 0.2642

Mercury -40509-06-29 16:18 J -13074308.94 -13074308.82 -13074308.71 0.3641 0.0107

Mercury -40503-01-13 10:33 J -13072285.14 -13072285.06 -13072284.99 0.3645 0.2685

Mercury -40473-06-20 16:33 J -13061168.91 -13061168.81 -13061168.70 0.3739 0.2124

Mercury -40467-01-04 15:50 J -13059144.95 -13059144.84 -13059144.73 0.3734 0.1959

Mercury -40458-07-21 20:09 J -13055659.77 -13055659.66 -13055659.56 0.3638 0.1627

Mercury -40452-02-03 14:23 J -13053636.01 -13053635.90 -13053635.79 0.3642 0.1059

Mercury -40416-01-25 15:50 J -13040495.96 -13040495.84 -13040495.71 0.3738 0.0713

Mercury -40411-08-11 15:21 J -13038471.90 -13038471.86 -13038471.81 0.3733 0.3465

Mercury -40407-08-11 23:45 J -13037010.55 -13037010.51 -13037010.47 0.3635 0.3325

Mercury -40401-02-25 18:14 J -13034986.85 -13034986.74 -13034986.63 0.3639 0.0596

Mercury -40396-09-10 12:28 J -13032963.07 -13032962.98 -13032962.89 0.3643 0.2061

Mercury -40365-02-16 16:18 J -13021846.88 -13021846.82 -13021846.76 0.3741 0.3260

Mercury -40360-09-01 15:21 J -13019822.99 -13019822.86 -13019822.74 0.3737 0.0760

Mercury -40350-03-18 22:04 J -13016337.67 -13016337.58 -13016337.49 0.3636 0.2284

Mercury -40345-10-01 16:18 J -13014313.93 -13014313.82 -13014313.70 0.3640 0.0440

Mercury -40339-04-17 10:33 J -13012290.12 -13012290.06 -13012290.00 0.3644 0.3055

Mercury -40309-09-22 15:35 J -13001173.96 -13001173.85 -13001173.74 0.3740 0.1846

Mercury -40303-04-08 14:52 J -12999149.99 -12999149.88 -12999149.78 0.3735 0.2248

Mercury -40294-10-23 20:09 J -12995664.77 -12995664.66 -12995664.55 0.3637 0.1241

Mercury -40288-05-08 14:38 J -12993641.00 -12993640.89 -12993640.79 0.3641 0.1446

Mercury -40252-04-29 14:52 J -12980501.00 -12980500.88 -12980500.75 0.3739 0.0413

Mercury -40243-11-13 23:59 J -12977015.57 -12977015.50 -12977015.44 0.3634 0.2945

Mercury -40237-05-29 18:28 J -12974991.85 -12974991.73 -12974991.62 0.3639 0.0221

Mercury -40232-12-13 12:42 J -12972968.05 -12972967.97 -12972967.89 0.3642 0.2447

Mercury -40201-05-20 15:21 J -12961851.94 -12961851.86 -12961851.78 0.3742 0.2949

Mercury -40196-12-04 14:23 J -12959828.02 -12959827.90 -12959827.78 0.3738 0.1065

Mercury -40186-06-20 22:04 J -12956342.68 -12956342.58 -12956342.48 0.3636 0.1901

Mercury -40180-01-03 16:33 J -12954318.92 -12954318.81 -12954318.70 0.3640 0.0812

Mercury -40175-07-20 10:47 J -12952295.09 -12952295.05 -12952295.02 0.3644 0.3432

Mercury -40145-12-25 14:38 J -12941179.01 -12941178.89 -12941178.78 0.3741 0.1547

Mercury -40139-07-11 13:40 J -12939155.02 -12939154.93 -12939154.83 0.3737 0.2553

Mercury -40135-07-12 01:40 J -12937693.43 -12937693.43 -12937693.43 0.3633 0.3630

Mercury -40129-01-25 20:23 J -12935669.76 -12935669.65 -12935669.54 0.3637 0.0869

Mercury -40124-08-10 14:38 J -12933645.99 -12933645.89 -12933645.79 0.3641 0.1813

Mercury -40088-08-01 13:54 J -12920506.05 -12920505.92 -12920505.79 0.3740 0.0111

Mercury -40078-02-15 23:59 J -12917020.58 -12917020.50 -12917020.42 0.3634 0.2579

Mercury -40073-08-31 18:28 J -12914996.84 -12914996.73 -12914996.61 0.3638 0.0157

Mercury -40067-03-17 12:57 J -12912973.04 -12912972.96 -12912972.89 0.3642 0.2821

Mercury -40037-08-22 14:23 J -12901856.99 -12901856.90 -12901856.82 0.3744 0.2669

Mercury -40031-03-08 13:11 J -12899833.06 -12899832.95 -12899832.83 0.3739 0.1359

Mercury -40022-09-22 22:18 J -12896347.68 -12896347.57 -12896347.47 0.3635 0.1531

Mercury -40016-04-07 16:47 J -12894323.91 -12894323.80 -12894323.69 0.3639 0.1188

40TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 40th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
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Mercury -39980-03-29 13:40 J -12881184.05 -12881183.93 -12881183.81 0.3742 0.1242

Mercury -39975-10-13 12:42 J -12879160.05 -12879159.97 -12879159.89 0.3737 0.2830

Mercury -39971-10-14 01:54 J -12877698.47 -12877698.42 -12877698.37 0.3632 0.3250

Mercury -39965-04-28 20:23 J -12875674.76 -12875674.65 -12875674.53 0.3636 0.0493

Mercury -39960-11-12 14:52 J -12873650.97 -12873650.88 -12873650.79 0.3640 0.2202

Mercury -39924-11-03 12:57 J -12860511.09 -12860510.96 -12860510.83 0.3741 0.0204

Mercury -39914-05-20 23:59 J -12857025.59 -12857025.50 -12857025.40 0.3633 0.2194

Mercury -39909-12-03 18:42 J -12855001.84 -12855001.72 -12855001.61 0.3637 0.0550

Mercury -39903-06-19 12:57 J -12852978.01 -12852977.96 -12852977.90 0.3641 0.3210

Mercury -39873-11-24 13:26 J -12841862.03 -12841861.94 -12841861.84 0.3745 0.2350

Mercury -39867-06-10 12:28 J -12839838.10 -12839837.98 -12839837.87 0.3740 0.1661

Mercury -39858-12-25 22:18 J -12836352.68 -12836352.57 -12836352.46 0.3634 0.1146

Mercury -39852-07-10 16:47 J -12834328.90 -12834328.80 -12834328.69 0.3638 0.1563

Mercury -39816-07-01 12:42 J -12821189.09 -12821188.97 -12821188.85 0.3743 0.0940

Mercury -39810-01-15 11:30 J -12819165.09 -12819165.02 -12819164.95 0.3739 0.3093

Mercury -39806-01-16 01:54 J -12817703.49 -12817703.42 -12817703.35 0.3631 0.2874

Mercury -39801-07-31 20:38 J -12815679.76 -12815679.64 -12815679.53 0.3635 0.0168

Mercury -39795-02-14 15:06 J -12813655.95 -12813655.87 -12813655.79 0.3639 0.2581

Mercury -39765-07-22 13:26 J -12802539.99 -12802539.94 -12802539.90 0.3747 0.3444

Mercury -39759-02-05 11:59 J -12800516.13 -12800516.00 -12800515.88 0.3742 0.0477

Mercury -39750-08-23 00:14 J -12797030.59 -12797030.49 -12797030.39 0.3632 0.1830

Mercury -39744-03-07 18:42 J -12795006.83 -12795006.72 -12795006.61 0.3636 0.0925

Mercury -39739-09-21 13:11 J -12792982.97 -12792982.95 -12792982.93 0.3640 0.3586

Mercury -39708-02-26 12:28 J -12781867.08 -12781866.98 -12781866.87 0.3745 0.2056

Mercury -39703-09-12 11:16 J -12779843.14 -12779843.03 -12779842.92 0.3741 0.1918

Mercury -39699-09-13 03:35 J -12778381.36 -12778381.35 -12778381.33 0.3629 0.3569

Mercury -39693-03-28 22:18 J -12776357.68 -12776357.57 -12776357.45 0.3633 0.0783

Mercury -39688-10-12 17:02 J -12774333.89 -12774333.79 -12774333.69 0.3637 0.1953

Mercury -39652-10-03 11:45 J -12761194.13 -12761194.01 -12761193.89 0.3744 0.0652

Mercury -39646-04-19 10:33 J -12759170.11 -12759170.06 -12759170.01 0.3740 0.3382

Mercury -39642-04-20 01:54 J -12757708.50 -12757708.42 -12757708.33 0.3630 0.2499

Mercury -39637-11-02 20:38 J -12755684.75 -12755684.64 -12755684.52 0.3634 0.0291

Mercury -39631-05-19 15:06 J -12753660.93 -12753660.87 -12753660.80 0.3638 0.2973

Mercury -39601-10-24 12:28 J -12742545.05 -12742544.98 -12742544.91 0.3747 0.3130

Mercury -39595-05-10 11:02 J -12740521.16 -12740521.04 -12740520.92 0.3743 0.0775

Mercury -39586-11-25 00:14 J -12737035.60 -12737035.49 -12737035.38 0.3631 0.1439

Mercury -39580-06-09 18:57 J -12735011.82 -12735011.71 -12735011.60 0.3635 0.1313

Mercury -39544-05-31 11:45 J -12721872.12 -12721872.01 -12721871.90 0.3746 0.1751

Mercury -39539-12-15 10:18 J -12719848.17 -12719848.07 -12719847.97 0.3742 0.2214

Mercury -39535-12-16 03:50 J -12718386.40 -12718386.34 -12718386.29 0.3628 0.3184

Mercury -39529-06-30 22:33 J -12716362.68 -12716362.56 -12716362.45 0.3632 0.0388

Mercury -39523-01-14 17:02 J -12714338.87 -12714338.79 -12714338.70 0.3636 0.2343

Mercury -39487-01-05 10:47 J -12701199.17 -12701199.05 -12701198.92 0.3745 0.0359

Mercury -39482-07-22 09:35 J -12699175.12 -12699175.10 -12699175.08 0.3741 0.3675

Mercury -39478-07-23 01:54 J -12697713.51 -12697713.42 -12697713.32 0.3629 0.2129

Mercury -39472-02-04 20:52 J -12695689.75 -12695689.63 -12695689.52 0.3633 0.0666

Mercury -39467-08-21 15:21 J -12693665.90 -12693665.86 -12693665.82 0.3637 0.3346

Mercury -39436-01-26 11:30 J -12682550.10 -12682550.02 -12682549.94 0.3748 0.2848

Mercury -39431-08-12 10:04 J -12680526.20 -12680526.08 -12680525.96 0.3744 0.1060

Mercury -39421-02-27 00:14 J -12677040.60 -12677040.49 -12677040.38 0.3631 0.1066

Mercury -39416-09-11 18:57 J -12675016.81 -12675016.71 -12675016.61 0.3634 0.1691

Mercury -39380-09-02 10:47 J -12661877.17 -12661877.05 -12661876.94 0.3747 0.1465

Mercury -39374-03-19 09:21 J -12659853.20 -12659853.11 -12659853.02 0.3743 0.2502

Mercury -39370-03-20 03:50 J -12658391.42 -12658391.34 -12658391.27 0.3628 0.2818

Mercury -39365-10-02 22:33 J -12656367.67 -12656367.56 -12656367.44 0.3631 0.0080

Mercury -39359-04-18 17:16 J -12654343.86 -12654343.78 -12654343.71 0.3635 0.2718

Mercury -39323-04-09 09:50 J -12641204.21 -12641204.09 -12641203.96 0.3746 0.0142

Mercury -39314-10-25 02:09 J -12637718.51 -12637718.41 -12637718.31 0.3629 0.1737

Mercury -39308-05-09 20:52 J -12635694.74 -12635694.63 -12635694.52 0.3632 0.1050

Mercury -39272-04-30 10:47 J -12622555.14 -12622555.05 -12622554.96 0.3749 0.2534

Mercury -39267-11-14 09:06 J -12620531.23 -12620531.12 -12620531.00 0.3745 0.1373

Mercury -39263-11-15 05:30 J -12619069.30 -12619069.27 -12619069.25 0.3626 0.3509

Mercury -39257-05-31 00:28 J -12617045.60 -12617045.48 -12617045.37 0.3630 0.0667

Mercury -39252-12-14 19:11 J -12615021.80 -12615021.70 -12615021.61 0.3633 0.2087

Mercury -39216-12-05 09:50 J -12601882.20 -12601882.09 -12601881.97 0.3748 0.1151

Mercury -39210-06-21 08:23 J -12599858.23 -12599858.15 -12599858.07 0.3744 0.2802

Mercury -39206-06-22 03:50 J -12598396.43 -12598396.34 -12598396.25 0.3627 0.2428

Mercury -39200-01-04 22:47 J -12596372.67 -12596372.55 -12596372.44 0.3631 0.0400

Mercury -39195-07-21 17:16 J -12594348.84 -12594348.78 -12594348.72 0.3635 0.3105

Mercury -39165-12-26 10:47 J -12583233.08 -12583233.05 -12583233.02 0.3752 0.3592

Mercury -39159-07-12 09:06 J -12581209.25 -12581209.12 -12581209.00 0.3747 0.0245

Mercury -39149-01-27 02:09 J -12577723.52 -12577723.41 -12577723.30 0.3628 0.1353

Mercury -39144-08-11 20:52 J -12575699.73 -12575699.63 -12575699.52 0.3632 0.1426

Mercury -39108-08-02 09:50 J -12562560.18 -12562560.09 -12562559.99 0.3750 0.2228

Mercury -39102-02-16 08:09 J -12560536.27 -12560536.16 -12560536.04 0.3746 0.1641

Mercury -39098-02-17 05:30 J -12559074.33 -12559074.27 -12559074.22 0.3625 0.3141

Mercury -39093-09-02 00:28 J -12557050.60 -12557050.48 -12557050.36 0.3629 0.0299

Mercury -39087-03-18 19:11 J -12555026.78 -12555026.70 -12555026.62 0.3633 0.2463

Mercury -39051-03-09 09:06 J -12541887.24 -12541887.12 -12541887.00 0.3749 0.0855

Mercury -39046-09-23 07:26 J -12539863.26 -12539863.19 -12539863.12 0.3745 0.3060

Mercury -39042-09-24 03:50 J -12538401.44 -12538401.34 -12538401.24 0.3626 0.2046

Mercury -39036-04-08 22:47 J -12536377.67 -12536377.55 -12536377.44 0.3630 0.0772

Mercury -39031-10-23 17:30 J -12534353.80 -12534353.77 -12534353.74 0.3634 0.3505

39TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 39th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-39000-03-30 10:04 J	-12523238.14	-12523238.08	-12523238.02	0.3752	0.3271		
Mercury	-38995-10-14 08:09 J	-12521214.28	-12521214.16	-12521214.03	0.3748	0.0540		
Mercury	-38985-04-30 02:09 J	-12517728.52	-12517728.41	-12517728.29	0.3627	0.0965		
Mercury	-38980-11-13 21:06 J	-12515704.72	-12515704.62	-12515704.52	0.3631	0.1824		
Mercury	-38944-11-04 09:06 J	-12502565.22	-12502565.12	-12502565.01	0.3751	0.1912		
Mercury	-38938-05-21 07:26 J	-12500541.30	-12500541.19	-12500541.09	0.3747	0.1936		
Mercury	-38934-05-22 05:30 J	-12499079.35	-12499079.27	-12499079.20	0.3625	0.2744		
Mercury	-38929-12-05 00:28 J	-12497055.60	-12497055.48	-12497055.36	0.3628	0.0118		
Mercury	-38923-06-20 19:26 J	-12495031.76	-12495031.69	-12495031.62	0.3632	0.2867		
Mercury	-38887-06-11 08:09 J	-12481892.28	-12481892.16	-12481892.03	0.3750	0.0561		
Mercury	-38882-12-26 06:28 J	-12479868.28	-12479868.23	-12479868.17	0.3746	0.3359		
Mercury	-38878-12-27 03:50 J	-12478406.44	-12478406.34	-12478406.23	0.3625	0.1655		
Mercury	-38872-07-11 22:47 J	-12476382.66	-12476382.55	-12476382.44	0.3629	0.1156		
Mercury	-38836-07-02 09:21 J	-12463243.19	-12463243.11	-12463243.04	0.3753	0.2957		
Mercury	-38830-01-16 07:11 J	-12461219.32	-12461219.20	-12461219.08	0.3749	0.0821		
Mercury	-38826-01-17 07:11 J	-12459757.24	-12459757.20	-12459757.17	0.3623	0.3464		
Mercury	-38821-08-02 02:09 J	-12457733.53	-12457733.41	-12457733.29	0.3626	0.0589		
Mercury	-38815-02-15 21:06 J	-12455709.71	-12455709.62	-12455709.53	0.3630	0.2208		
Mercury	-38779-02-06 08:23 J	-12442570.27	-12442570.15	-12442570.04	0.3752	0.1636		
Mercury	-38774-08-23 06:28 J	-12440546.33	-12440546.23	-12440546.13	0.3748	0.2219		
Mercury	-38770-08-24 05:30 J	-12439084.36	-12439084.27	-12439084.18	0.3624	0.2371		
Mercury	-38764-03-09 00:28 J	-12437060.59	-12437060.48	-12437060.36	0.3627	0.0491		
Mercury	-38759-09-22 19:26 J	-12435036.74	-12435036.69	-12435036.64	0.3631	0.3254		
Mercury	-38723-09-13 07:26 J	-12421897.32	-12421897.19	-12421897.07	0.3751	0.0282		
Mercury	-38717-03-29 05:45 J	-12419873.29	-12419873.26	-12419873.24	0.3747	0.3650		
Mercury	-38713-03-30 03:50 J	-12418411.45	-12418411.34	-12418411.23	0.3625	0.1276		
Mercury	-38708-10-13 22:47 J	-12416387.65	-12416387.55	-12416387.44	0.3628	0.1555		

Mercury -38672-10-04 08:23 J -12403248.23 -12403248.15 -12403248.06 0.3754 0.2671

Mercury -38666-04-20 06:28 J -12401224.35 -12401224.23 -12401224.11 0.3750 0.1112

Mercury -38662-04-21 06:57 J -12399762.27 -12399762.21 -12399762.15 0.3622 0.3082

Mercury -38657-11-04 02:09 J -12397738.52 -12397738.41 -12397738.29 0.3626 0.0225

Mercury -38651-05-20 21:06 J -12395714.70 -12395714.62 -12395714.54 0.3629 0.2614

Mercury -38615-05-11 07:26 J -12382575.30 -12382575.19 -12382575.07 0.3753 0.1330

Mercury -38610-11-25 05:45 J -12380551.35 -12380551.26 -12380551.17 0.3749 0.2530

Mercury -38606-11-26 05:30 J -12379089.37 -12379089.27 -12379089.17 0.3623 0.1974

Mercury -38600-06-11 00:42 J -12377065.59 -12377065.47 -12377065.36 0.3627 0.0892

Mercury -38564-06-01 08:52 J -12363926.15 -12363926.13 -12363926.11 0.3756 0.3673

Mercury -38559-12-16 06:28 J -12361902.35 -12361902.23 -12361902.10 0.3752 0.0146

Mercury -38549-07-02 03:50 J -12358416.45 -12358416.34 -12358416.22 0.3624 0.0885

Mercury -38543-01-15 23:02 J -12356392.64 -12356392.54 -12356392.44 0.3628 0.1952

Mercury -38507-01-06 07:40 J -12343253.27 -12343253.18 -12343253.08 0.3755 0.2368

Mercury -38502-07-23 05:45 J -12341229.38 -12341229.26 -12341229.15 0.3751 0.1422

Mercury -38498-07-24 06:57 J -12339767.29 -12339767.21 -12339767.13 0.3621 0.2698

Mercury -38492-02-06 02:09 J -12337743.52 -12337743.41 -12337743.29 0.3625 0.0236

Mercury -38487-08-22 21:21 J -12335719.68 -12335719.61 -12335719.55 0.3629 0.2997

Mercury -38451-08-13 06:42 J -12322580.34 -12322580.22 -12322580.10 0.3754 0.1026

Mercury -38445-02-27 04:47 J -12320556.38 -12320556.30 -12320556.22 0.3749 0.2800

Mercury -38441-02-28 05:30 J -12319094.38 -12319094.27 -12319094.17 0.3622 0.1599

Mercury -38436-09-13 00:28 J -12317070.59 -12317070.48 -12317070.36 0.3626 0.1273

Mercury -38400-09-03 07:54 J -12303931.22 -12303931.17 -12303931.12 0.3757 0.3390

Mercury -38394-03-20 05:45 J -12301907.38 -12301907.26 -12301907.14 0.3753 0.0341

Mercury -38390-03-21 08:23 J -12300445.18 -12300445.15 -12300445.11 0.3620 0.3428

Mercury -38385-10-04 03:50 J -12298421.46 -12298421.34 -12298421.22 0.3623 0.0496

Mercury -38379-04-19 23:02 J -12296397.63 -12296397.54 -12296397.45 0.3627 0.2339

Mercury -38343-04-10 06:57 J -12283258.31 -12283258.21 -12283258.11 0.3756 0.2058

Mercury -38338-10-25 04:47 J -12281234.41 -12281234.30 -12281234.19 0.3751 0.1719

Mercury -38334-10-26 06:57 J -12279772.30 -12279772.21 -12279772.12 0.3621 0.2303

Mercury -38328-05-11 02:23 J -12277748.52 -12277748.40 -12277748.29 0.3624 0.0611

Mercury -38323-11-24 21:21 J -12275724.65 -12275724.61 -12275724.57 0.3628 0.3399

Mercury -38287-11-15 05:59 J -12262585.37 -12262585.25 -12262585.13 0.3755 0.0715

Mercury -38281-05-31 04:04 J -12260561.40 -12260561.33 -12260561.27 0.3750 0.3097

Mercury -38277-06-01 05:30 J -12259099.38 -12259099.27 -12259099.16 0.3622 0.1193

Mercury -38272-12-16 00:42 J -12257075.58 -12257075.47 -12257075.37 0.3625 0.1675

Mercury -38236-12-06 07:26 J -12243936.26 -12243936.19 -12243936.12 0.3758 0.3063

Mercury -38230-06-22 05:02 J -12241912.41 -12241912.29 -12241912.17 0.3753 0.0654

Mercury -38226-06-23 08:23 J -12240450.21 -12240450.15 -12240450.08 0.3619 0.3033

Mercury -38220-01-06 03:50 J -12238426.46 -12238426.34 -12238426.22 0.3623 0.0120

Mercury -38215-07-22 23:02 J -12236402.62 -12236402.54 -12236402.47 0.3626 0.2731

Mercury -38179-07-13 06:14 J -12223263.34 -12223263.24 -12223263.13 0.3757 0.1753

Mercury -38173-01-27 04:04 J -12221239.44 -12221239.33 -12221239.23 0.3752 0.1984

Mercury -38169-01-28 06:57 J -12219777.31 -12219777.21 -12219777.11 0.3620 0.1916

Mercury -38164-08-13 02:09 J -12217753.52 -12217753.41 -12217753.29 0.3624 0.0982

Mercury -38122-02-17 05:16 J -12202590.40 -12202590.28 -12202590.16 0.3755 0.0426

Mercury -38117-09-02 03:06 J -12200566.42 -12200566.37 -12200566.32 0.3751 0.3366

Mercury -38113-09-03 05:16 J -12199104.39 -12199104.28 -12199104.16 0.3621 0.0824

Mercury -38107-03-20 00:42 J -12197080.57 -12197080.47 -12197080.38 0.3625 0.2061

Mercury -38071-03-10 06:42 J -12183941.30 -12183941.22 -12183941.14 0.3758 0.2760

Mercury -38066-09-24 04:18 J -12181917.44 -12181917.32 -12181917.20 0.3754 0.0923

Mercury -38062-09-25 08:23 J -12180455.23 -12180455.15 -12180455.07 0.3618 0.2646

Mercury -38056-04-10 03:50 J -12178431.46 -12178431.34 -12178431.22 0.3622 0.0290

Mercury -38051-10-24 23:02 J -12176407.60 -12176407.54 -12176407.48 0.3625 0.3137

Mercury -38015-10-15 05:30 J -12163268.38 -12163268.27 -12163268.15 0.3757 0.1455

Mercury -38009-04-30 03:21 J -12161244.46 -12161244.36 -12161244.27 0.3753 0.2283

Mercury -38005-05-01 06:57 J -12159782.32 -12159782.21 -12159782.10 0.3619 0.1523

38TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 38th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-38000-11-15 02:23 J	-12157758.51	-12157758.40	-12157758.29	0.3623	0.1392		
Mercury	-37964-11-05 07:11 J	-12144619.21	-12144619.20	-12144619.19	0.3760	0.3739		
Mercury	-37958-05-22 04:33 J	-12142595.43	-12142595.31	-12142595.19	0.3756	0.0122		
Mercury	-37954-05-23 09:50 J	-12141133.13	-12141133.09	-12141133.05	0.3617	0.3381		
Mercury	-37953-12-05 02:23 J	-12140571.42	-12140571.40	-12140571.38	0.3752	0.3666		
Mercury	-37949-12-06 05:16 J	-12139109.39	-12139109.28	-12139109.16	0.3620	0.0430		
Mercury	-37943-06-22 00:42 J	-12137085.56	-12137085.47	-12137085.39	0.3624	0.2465		
Mercury	-37907-06-12 05:59 J	-12123946.34	-12123946.25	-12123946.16	0.3759	0.2451		
Mercury	-37902-12-27 03:35 J	-12121922.47	-12121922.35	-12121922.24	0.3755	0.1220		
Mercury	-37898-12-28 08:23 J	-12120460.24	-12120460.15	-12120460.06	0.3618	0.2248		
Mercury	-37892-07-13 03:50 J	-12118436.46	-12118436.34	-12118436.22	0.3621	0.0686		
Mercury	-37886-01-26 23:02 J	-12116412.56	-12116412.54	-12116412.52	0.3625	0.3535		
Mercury	-37850-01-17 04:47 J	-12103273.41	-12103273.30	-12103273.18	0.3758	0.1160		
Mercury	-37845-08-02 02:38 J	-12101249.48	-12101249.39	-12101249.31	0.3754	0.2582		
Mercury	-37841-08-03 06:42 J	-12099787.33	-12099787.22	-12099787.10	0.3619	0.1146		
Mercury	-37835-02-17 02:09 J	-12097763.51	-12097763.41	-12097763.30	0.3622	0.1781		
Mercury	-37799-02-07 06:28 J	-12084624.28	-12084624.23	-12084624.19	0.3761	0.3451		
Mercury	-37794-08-24 03:50 J	-12082600.46	-12082600.34	-12082600.22	0.3757	0.0170		
Mercury	-37790-08-25 09:35 J	-12081138.16	-12081138.10	-12081138.03	0.3616	0.3006		
Mercury	-37784-03-10 05:16 J	-12079114.40	-12079114.28	-12079114.16	0.3620	0.0029		
Mercury	-37779-09-24 00:42 J	-12077090.54	-12077090.47	-12077090.40	0.3623	0.2860		
Mercury	-37743-09-14 05:16 J	-12063951.38	-12063951.28	-12063951.18	0.3760	0.2161		

Mercury -37737-03-30 02:52 J -12061927.49 -12061927.38 -12061927.27 0.3756 0.1517

Mercury -37733-03-31 08:09 J -12060465.26 -12060465.16 -12060465.05 0.3617 0.1870

Mercury -37728-10-15 03:50 J -12058441.46 -12058441.34 -12058441.23 0.3621 0.1087

Mercury -37686-04-21 04:18 J -12043278.44 -12043278.32 -12043278.21 0.3759 0.0857

Mercury -37681-11-04 01:40 J -12041254.50 -12041254.43 -12041254.35 0.3755 0.2872

Mercury -37677-11-05 06:42 J -12039792.34 -12039792.22 -12039792.10 0.3618 0.0741

Mercury -37671-05-22 02:09 J -12037768.50 -12037768.41 -12037768.31 0.3622 0.2186

Mercury -37635-05-12 05:59 J -12024629.32 -12024629.25 -12024629.19 0.3761 0.3139

Mercury -37630-11-26 03:06 J -12022605.49 -12022605.37 -12022605.25 0.3758 0.0491

Mercury -37626-11-27 09:35 J -12021143.18 -12021143.10 -12021143.02 0.3616 0.2604

Mercury -37620-06-12 05:16 J -12019119.40 -12019119.28 -12019119.16 0.3619 0.0386

Mercury -37615-12-27 00:42 J -12017095.52 -12017095.47 -12017095.42 0.3622 0.3268

Mercury -37579-12-17 04:47 J -12003956.41 -12003956.30 -12003956.20 0.3761 0.1840

Mercury -37573-07-02 02:09 J -12001932.52 -12001932.41 -12001932.30 0.3757 0.1819

Mercury -37569-07-03 08:09 J -12000470.27 -12000470.16 -12000470.05 0.3617 0.1470

Mercury -37563-01-17 03:50 J -11998446.45 -11998446.34 -11998446.23 0.3620 0.1492

Mercury -37522-07-24 03:35 J -11983283.47 -11983283.35 -11983283.23 0.3760 0.0544

Mercury -37518-07-25 10:47 J -11981821.09 -11981821.05 -11981821.01 0.3614 0.3373

Mercury -37516-02-06 00:57 J -11981259.52 -11981259.46 -11981259.39 0.3756 0.3141

Mercury -37512-02-07 06:42 J -11979797.34 -11979797.22 -11979797.10 0.3618 0.0345

Mercury -37507-08-24 02:09 J -11977773.49 -11977773.41 -11977773.33 0.3621 0.2573

Mercury -37471-08-14 05:16 J -11964634.36 -11964634.28 -11964634.20 0.3762 0.2826

Mercury -37465-02-28 02:23 J -11962610.52 -11962610.40 -11962610.28 0.3758 0.0766

Mercury -37461-02-29 09:21 J -11961148.20 -11961148.11 -11961148.01 0.3615 0.2228

Mercury -37456-09-14 05:16 J -11959124.40 -11959124.28 -11959124.17 0.3618 0.0780

Mercury -37414-03-21 04:04 J -11943961.44 -11943961.33 -11943961.22 0.3761 0.1543

Mercury -37409-10-04 01:26 J -11941937.54 -11941937.44 -11941937.34 0.3757 0.2087

Mercury -37405-10-05 08:09 J -11940475.28 -11940475.16 -11940475.05 0.3616 0.1085

Mercury -37399-04-21 03:35 J -11938451.45 -11938451.35 -11938451.24 0.3619 0.1886

Mercury -37358-10-26 02:52 J -11923288.50 -11923288.38 -11923288.26 0.3760 0.0272

Mercury -37354-10-27 10:47 J -11921826.12 -11921826.05 -11921825.98 0.3614 0.2972

Mercury -37352-05-11 00:14 J -11921264.53 -11921264.49 -11921264.44 0.3756 0.3443

Mercury -37348-05-12 06:42 J -11919802.34 -11919802.22 -11919802.10 0.3617 0.0120

Mercury -37343-11-26 02:09 J -11917778.47 -11917778.41 -11917778.34 0.3620 0.2985

Mercury -37307-11-16 04:47 J -11904639.39 -11904639.30 -11904639.21 0.3763 0.2506

Mercury -37301-06-01 01:54 J -11902615.54 -11902615.42 -11902615.31 0.3759 0.1069

Mercury -37297-06-02 09:21 J -11901153.21 -11901153.11 -11901153.00 0.3615 0.1816

Mercury -37292-12-17 05:02 J -11899129.40 -11899129.29 -11899129.17 0.3618 0.1189

Mercury -37250-06-23 03:35 J -11883966.47 -11883966.35 -11883966.24 0.3762 0.1233

Mercury -37244-01-06 00:42 J -11881942.56 -11881942.47 -11881942.38 0.3758 0.2385

Mercury -37240-01-07 07:54 J -11880480.29 -11880480.17 -11880480.05 0.3615 0.0676

Mercury -37235-07-24 03:35 J -11878456.44 -11878456.35 -11878456.26 0.3619 0.2280

Mercury -37199-07-14 05:16 J -11865317.32 -11865317.28 -11865317.23 0.3765 0.3469

Mercury -37193-01-28 02:09 J -11863293.53 -11863293.41 -11863293.29 0.3761 0.0136

Mercury -37189-01-29 10:33 J -11861831.14 -11861831.06 -11861830.97 0.3613 0.2585

Mercury -37188-08-12 23:30 J -11861269.53 -11861269.52 -11861269.50 0.3757 0.3727

Mercury -37184-08-14 06:28 J -11859807.35 -11859807.23 -11859807.11 0.3616 0.0447

Mercury -37178-02-28 02:09 J -11857783.45 -11857783.41 -11857783.37 0.3620 0.3379

Mercury -37142-02-18 04:04 J -11844644.43 -11844644.33 -11844644.23 0.3763 0.2223

Mercury -37137-09-03 01:11 J -11842620.57 -11842620.45 -11842620.34 0.3760 0.1348

Mercury -37133-09-04 09:06 J -11841158.23 -11841158.12 -11841158.00 0.3614 0.1436

Mercury -37127-03-21 05:02 J -11839134.40 -11839134.29 -11839134.18 0.3617 0.1572

Mercury -37086-09-25 02:52 J -11823971.50 -11823971.38 -11823971.26 0.3762 0.0948

Mercury -37082-09-26 11:45 J -11822509.05 -11822509.01 -11822508.97 0.3612 0.3360

Mercury -37080-04-09 23:59 J -11821947.58 -11821947.50 -11821947.41 0.3759 0.2686

Mercury -37076-04-11 07:54 J -11820485.29 -11820485.17 -11820485.05 0.3615 0.0293

Mercury -37071-10-26 03:35 J -11818461.43 -11818461.35 -11818461.27 0.3618 0.2690

Mercury -37035-10-16 04:47 J -11805322.36 -11805322.30 -11805322.24 0.3765 0.3168

Mercury -37029-05-01 01:40 J -11803298.55 -11803298.43 -11803298.31 0.3762 0.0339

Mercury -37025-05-02 10:33 J -11801836.16 -11801836.06 -11801835.97 0.3612 0.2188

Mercury -37020-11-16 06:28 J -11799812.35 -11799812.23 -11799812.11 0.3616 0.0862

37TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 37th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-36978-05-23 03:35 J	-11784649.45	-11784649.35	-11784649.25	0.3764	0.1914		
Mercury	-36973-12-06 00:28 J	-11782625.58	-11782625.48	-11782625.37	0.3761	0.1664		
Mercury	-36969-12-07 09:06 J	-11781163.24	-11781163.12	-11781163.00	0.3613	0.1023		
Mercury	-36963-06-23 05:02 J	-11779139.39	-11779139.29	-11779139.19	0.3617	0.1983		
Mercury	-36922-12-28 02:23 J	-11763976.52	-11763976.40	-11763976.29	0.3763	0.0655		
Mercury	-36918-12-29 11:45 J	-11762514.08	-11762514.01	-11762513.94	0.3611	0.2959		
Mercury	-36916-07-12 23:30 J	-11761952.60	-11761952.52	-11761952.45	0.3760	0.2978		
Mercury	-36912-07-14 07:40 J	-11760490.30	-11760490.18	-11760490.06	0.3614	0.0120		
Mercury	-36906-01-28 03:35 J	-11758466.41	-11758466.35	-11758466.29	0.3618	0.3099		
Mercury	-36870-01-18 04:18 J	-11745327.40	-11745327.32	-11745327.25	0.3766	0.2872		
Mercury	-36865-08-03 01:11 J	-11743303.57	-11743303.45	-11743303.33	0.3762	0.0652		
Mercury	-36861-08-04 10:18 J	-11741841.18	-11741841.07	-11741840.97	0.3612	0.1796		
Mercury	-36855-02-18 06:14 J	-11739817.35	-11739817.24	-11739817.12	0.3615	0.1256		
Mercury	-36814-08-25 02:52 J	-11724654.48	-11724654.38	-11724654.27	0.3765	0.1618		
Mercury	-36808-03-09 23:59 J	-11722630.61	-11722630.50	-11722630.40	0.3761	0.1944		
Mercury	-36804-03-11 08:52 J	-11721168.25	-11721168.13	-11721168.01	0.3613	0.0638		
Mercury	-36799-09-25 04:47 J	-11719144.39	-11719144.30	-11719144.21	0.3616	0.2377		
Mercury	-36757-03-31 01:40 J	-11703981.55	-11703981.43	-11703981.31	0.3764	0.0356		

Mercury -36753-04-01 11:30 J -11702519.11 -11702519.02 -11702518.94 0.3611 0.2574

Mercury -36752-10-14 22:47 J -11701957.61 -11701957.55 -11701957.49 0.3760 0.3248

Mercury -36748-10-16 07:40 J -11700495.31 -11700495.18 -11700495.06 0.3614 0.0538

Mercury -36742-05-02 03:21 J -11698471.38 -11698471.36 -11698471.33 0.3617 0.3500

Mercury -36706-04-22 03:50 J -11685332.43 -11685332.34 -11685332.26 0.3766 0.2562

Mercury -36701-11-05 00:28 J -11683308.59 -11683308.48 -11683308.36 0.3763 0.0953

Mercury -36697-11-06 10:04 J -11681846.19 -11681846.08 -11681845.96 0.3611 0.1395

Mercury -36691-05-23 06:14 J -11679822.35 -11679822.24 -11679822.14 0.3615 0.1664

Mercury -36650-11-27 02:23 J -11664659.51 -11664659.40 -11664659.28 0.3765 0.1306

Mercury -36646-11-28 12:28 J -11663197.02 -11663196.98 -11663196.93 0.3609 0.3358

Mercury -36644-06-11 23:16 J -11662635.62 -11662635.53 -11662635.43 0.3762 0.2240

Mercury -36640-06-13 08:52 J -11661173.25 -11661173.13 -11661173.01 0.3612 0.0232

Mercury -36635-12-28 04:47 J -11659149.38 -11659149.30 -11659149.23 0.3615 0.2796

Mercury -36599-12-18 04:33 J -11646010.35 -11646010.31 -11646010.27 0.3768 0.3481

Mercury -36593-07-03 01:11 J -11643986.57 -11643986.45 -11643986.33 0.3765 0.0101

Mercury -36589-07-04 11:16 J -11642524.13 -11642524.03 -11642523.93 0.3610 0.2169

Mercury -36587-01-16 22:04 J -11641962.62 -11641962.58 -11641962.54 0.3761 0.3535

Mercury -36583-01-18 07:26 J -11640500.31 -11640500.19 -11640500.07 0.3613 0.0929

Mercury -36542-07-25 03:21 J -11625337.46 -11625337.36 -11625337.27 0.3767 0.2253

Mercury -36536-02-06 23:59 J -11623313.62 -11623313.50 -11623313.39 0.3764 0.1226

Mercury -36532-02-08 09:50 J -11621851.20 -11621851.09 -11621850.97 0.3611 0.1004

Mercury -36527-08-25 05:59 J -11619827.35 -11619827.25 -11619827.15 0.3614 0.2056

Mercury -36485-02-29 01:54 J -11604664.53 -11604664.42 -11604664.30 0.3766 0.1011

Mercury -36481-03-01 12:14 J -11603202.06 -11603201.99 -11603201.92 0.3609 0.2975

Mercury -36480-09-13 22:33 J -11602640.64 -11602640.56 -11602640.47 0.3763 0.2513

Mercury -36476-09-15 08:38 J -11601178.26 -11601178.14 -11601178.02 0.3612 0.0176

Mercury -36470-04-01 04:33 J -11599154.36 -11599154.31 -11599154.25 0.3615 0.3191

Mercury -36434-03-22 04:04 J -11586015.39 -11586015.33 -11586015.27 0.3768 0.3175

Mercury -36429-10-05 00:42 J -11583991.59 -11583991.47 -11583991.35 0.3765 0.0265

Mercury -36425-10-06 11:02 J -11582529.15 -11582529.04 -11582528.93 0.3610 0.1777

Mercury -36419-04-22 07:11 J -11580505.31 -11580505.20 -11580505.08 0.3613 0.1327

Mercury -36378-10-27 02:52 J -11565342.48 -11565342.38 -11565342.28 0.3767 0.1948

Mercury -36372-05-11 23:16 J -11563318.63 -11563318.53 -11563318.42 0.3764 0.1529

Mercury -36368-05-13 09:50 J -11561856.21 -11561856.09 -11561855.97 0.3610 0.0595

Mercury -36363-11-27 05:59 J -11559832.34 -11559832.25 -11559832.17 0.3613 0.2479

Mercury -36321-06-02 01:26 J -11544669.56 -11544669.44 -11544669.32 0.3766 0.0700

Mercury -36317-06-03 12:14 J -11543207.08 -11543206.99 -11543206.91 0.3608 0.2566

Mercury -36316-12-16 22:04 J -11542645.65 -11542645.58 -11542645.50 0.3763 0.2817

Mercury -36312-12-18 08:23 J -11541183.27 -11541183.15 -11541183.03 0.3611 0.0581

Mercury -36306-07-04 04:33 J -11539159.32 -11539159.31 -11539159.31 0.3614 0.3606

Mercury -36270-06-24 03:35 J -11526020.42 -11526020.35 -11526020.27 0.3769 0.2867

Mercury -36264-01-06 23:59 J -11523996.61 -11523996.50 -11523996.38 0.3766 0.0565

Mercury -36260-01-08 10:47 J -11522534.16 -11522534.05 -11522533.93 0.3609 0.1372

Mercury -36255-07-25 06:57 J -11520510.31 -11520510.21 -11520510.10 0.3612 0.1732

Mercury -36213-01-29 02:09 J -11505347.51 -11505347.41 -11505347.30 0.3768 0.1659

Mercury -36209-01-30 13:11 J -11503884.99 -11503884.95 -11503884.91 0.3607 0.3383

Mercury -36208-08-13 22:47 J -11503323.65 -11503323.55 -11503323.44 0.3765 0.1817

Mercury -36204-08-15 09:35 J -11501861.23 -11501861.10 -11501860.98 0.3610 0.0227

Mercury -36198-03-01 05:45 J -11499837.33 -11499837.26 -11499837.19 0.3613 0.2873

Mercury -36157-09-04 00:57 J -11484674.58 -11484674.46 -11484674.34 0.3767 0.0416

Mercury -36153-09-05 11:45 J -11483212.11 -11483212.01 -11483211.91 0.3608 0.2180

Mercury -36151-03-20 21:35 J -11482650.67 -11482650.60 -11482650.53 0.3764 0.3096

Mercury -36147-03-22 08:09 J -11481188.28 -11481188.16 -11481188.04 0.3611 0.0974

Mercury -36106-09-26 03:06 J -11466025.45 -11466025.37 -11466025.28 0.3769 0.2574

Mercury -36100-04-10 23:45 J -11464001.63 -11464001.51 -11464001.40 0.3766 0.0860

Mercury -36096-04-12 10:33 J -11462539.18 -11462539.06 -11462538.94 0.3608 0.0980

Mercury -36091-10-27 06:57 J -11460515.31 -11460515.21 -11460515.11 0.3612 0.2142

Mercury -36049-05-02 01:54 J -11445352.53 -11445352.42 -11445352.31 0.3769 0.1352

Mercury -36045-05-03 12:42 J -11443890.03 -11443889.97 -11443889.90 0.3606 0.2988

Mercury -36044-11-15 22:18 J -11443328.67 -11443328.57 -11443328.47 0.3765 0.2114

Mercury -36040-11-17 09:21 J -11441866.23 -11441866.11 -11441865.99 0.3609 0.0210

Mercury -36034-06-03 05:30 J -11439842.31 -11439842.27 -11439842.22 0.3612 0.3294

36TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 36th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-35998-05-24 04:04 J	-11426703.37	-11426703.33	-11426703.28	0.3771	0.3474		
Mercury	-35993-12-07 00:28 J	-11424679.60	-11424679.48	-11424679.36	0.3768	0.0109		
Mercury	-35989-12-08 11:30 J	-11423217.12	-11423217.02	-11423216.91	0.3607	0.1774		
Mercury	-35987-06-22 21:06 J	-11422655.67	-11422655.62	-11422655.57	0.3764	0.3394		
Mercury	-35983-06-24 08:09 J	-11421193.28	-11421193.16	-11421193.05	0.3610	0.1393		
Mercury	-35942-12-29 02:52 J	-11406030.48	-11406030.38	-11406030.29	0.3770	0.2261		
Mercury	-35936-07-13 23:16 J	-11404006.65	-11404006.53	-11404006.42	0.3767	0.1157		
Mercury	-35932-07-15 10:18 J	-11402544.19	-11402544.07	-11402543.95	0.3608	0.0580		
Mercury	-35926-01-29 06:42 J	-11400520.30	-11400520.22	-11400520.13	0.3611	0.2552		
Mercury	-35885-08-04 01:26 J	-11385357.55	-11385357.44	-11385357.33	0.3769	0.1043		
Mercury	-35881-08-05 12:28 J	-11383895.07	-11383894.98	-11383894.89	0.3606	0.2598		
Mercury	-35879-02-17 21:50 J	-11383333.68	-11383333.59	-11383333.50	0.3766	0.2388		
Mercury	-35875-02-19 09:06 J	-11381871.24	-11381871.12	-11381871.00	0.3609	0.0611		
Mercury	-35834-08-26 03:50 J	-11366708.40	-11366708.34	-11366708.28	0.3771	0.3162		
Mercury	-35828-03-10 23:59 J	-11364684.62	-11364684.50	-11364684.38	0.3768	0.0185		
Mercury	-35824-03-12 11:16 J	-11363222.14	-11363222.03	-11363221.92	0.3607	0.1386		
Mercury	-35823-09-24 20:23 J	-11362660.67	-11362660.65	-11362660.62	0.3765	0.3663		

Mercury -35819-09-26 07:54 J -11361198.28 -11361198.17 -11361198.07 0.3610 0.1789

Mercury -35777-04-01 02:23 J -11346035.50 -11346035.40 -11346035.30 0.3770 0.1958

Mercury -35773-04-02 13:26 J -11344572.98 -11344572.94 -11344572.91 0.3605 0.3432

Mercury -35772-10-15 22:33 J -11344011.67 -11344011.56 -11344011.45 0.3767 0.1424

Mercury -35768-10-17 10:04 J -11342549.20 -11342549.08 -11342548.96 0.3608 0.0177

Mercury -35762-05-03 06:28 J -11340525.30 -11340525.23 -11340525.16 0.3610 0.2955

Mercury -35721-11-06 00:57 J -11325362.57 -11325362.46 -11325362.34 0.3769 0.0740

Mercury -35717-11-07 12:14 J -11323900.09 -11323899.99 -11323899.89 0.3606 0.2194

Mercury -35715-05-22 21:21 J -11323338.69 -11323338.61 -11323338.53 0.3766 0.2687

Mercury -35711-05-24 08:52 J -11321876.25 -11321876.13 -11321876.01 0.3608 0.1024

Mercury -35670-11-28 03:21 J -11306713.43 -11306713.36 -11306713.28 0.3772 0.2846

Mercury -35664-06-12 23:31 J -11304689.63 -11304689.52 -11304689.40 0.3769 0.0492

Mercury -35660-06-14 11:02 J -11303227.16 -11303227.04 -11303226.92 0.3607 0.0971

Mercury -35655-12-29 07:40 J -11301203.28 -11301203.18 -11301203.09 0.3609 0.2205

Mercury -35613-07-04 01:55 J -11286040.52 -11286040.42 -11286040.31 0.3771 0.1651

Mercury -35609-07-05 12:57 J -11284578.02 -11284577.96 -11284577.89 0.3605 0.3030

Mercury -35607-01-17 22:04 J -11284016.68 -11284016.58 -11284016.47 0.3768 0.1722

Mercury -35603-01-19 09:50 J -11282554.21 -11282554.09 -11282553.96 0.3607 0.0241

Mercury -35598-08-05 06:14 J -11280530.28 -11280530.24 -11280530.20 0.3610 0.3359

Mercury -35562-07-26 04:33 J -11267391.32 -11267391.31 -11267391.30 0.3773 0.3729

Mercury -35556-02-08 00:28 J -11265367.60 -11265367.48 -11265367.36 0.3770 0.0461

Mercury -35552-02-09 11:59 J -11263905.11 -11263905.00 -11263904.90 0.3605 0.1807

Mercury -35551-08-24 20:52 J -11263343.70 -11263343.63 -11263343.56 0.3767 0.2972

Mercury -35547-08-26 08:38 J -11261881.26 -11261881.14 -11261881.03 0.3608 0.1416

Mercury -35505-03-01 03:07 J -11246718.46 -11246718.37 -11246718.29 0.3772 0.2564

Mercury -35500-09-14 23:02 J -11244694.65 -11244694.54 -11244694.42 0.3769 0.0765

Mercury -35496-09-16 10:47 J -11243232.18 -11243232.05 -11243231.93 0.3606 0.0593

Mercury -35490-04-02 07:26 J -11241208.28 -11241208.19 -11241208.11 0.3609 0.2601

Mercury -35449-10-06 01:26 J -11226045.54 -11226045.44 -11226045.33 0.3771 0.1371

Mercury -35445-10-07 12:43 J -11224583.06 -11224582.97 -11224582.89 0.3604 0.2638

Mercury -35443-04-21 21:50 J -11224021.69 -11224021.59 -11224021.50 0.3768 0.2022

Mercury -35439-04-23 09:35 J -11222559.22 -11222559.10 -11222558.98 0.3607 0.0636

Mercury -35398-10-28 04:04 J -11207396.37 -11207396.33 -11207396.28 0.3773 0.3428

Mercury -35392-05-12 23:59 J -11205372.61 -11205372.50 -11205372.38 0.3771 0.0206

Mercury -35388-05-14 11:31 J -11203910.13 -11203910.02 -11203909.90 0.3605 0.1396

Mercury -35387-11-26 20:23 J -11203348.71 -11203348.65 -11203348.59 0.3768 0.3270

Mercury -35383-11-28 08:23 J -11201886.26 -11201886.15 -11201886.04 0.3607 0.1836

Mercury -35341-06-03 02:38 J -11186723.48 -11186723.39 -11186723.30 0.3772 0.2250

Mercury -35337-06-04 13:26 J -11185260.97 -11185260.94 -11185260.91 0.3603 0.3483

Mercury -35336-12-17 22:47 J -11184699.67 -11184699.55 -11184699.44 0.3770 0.1081

Mercury -35332-12-19 10:33 J -11183237.19 -11183237.06 -11183236.94 0.3606 0.0198

Mercury -35326-07-05 07:11 J -11181213.27 -11181213.20 -11181213.14 0.3608 0.3016

Mercury -35284-01-08 01:11 J -11166050.56 -11166050.45 -11166050.34 0.3772 0.1066

Mercury -35280-01-09 12:28 J -11164588.08 -11164587.98 -11164587.89 0.3604 0.2238

Mercury -35279-07-24 21:21 J -11164026.70 -11164026.61 -11164026.52 0.3769 0.2310

Mercury -35275-07-26 09:07 J -11162564.23 -11162564.12 -11162564.00 0.3606 0.1042

Mercury -35233-01-30 03:50 J -11147401.40 -11147401.34 -11147401.28 0.3774 0.3138

Mercury -35228-08-14 23:45 J -11145377.63 -11145377.51 -11145377.39 0.3771 0.0150

Mercury -35224-08-16 11:16 J -11143915.15 -11143915.03 -11143914.91 0.3604 0.1007

Mercury -35222-02-28 19:55 J -11143353.71 -11143353.67 -11143353.63 0.3768 0.3536

Mercury -35218-03-02 08:09 J -11141891.26 -11141891.16 -11141891.07 0.3607 0.2236

Mercury -35177-09-05 02:23 J -11126728.50 -11126728.40 -11126728.31 0.3773 0.1958

Mercury -35173-09-06 12:57 J -11125266.02 -11125265.96 -11125265.90 0.3603 0.3102

Mercury -35171-03-21 22:19 J -11124704.68 -11124704.57 -11124704.46 0.3770 0.1366

Mercury -35167-03-23 10:04 J -11123242.20 -11123242.08 -11123241.95 0.3605 0.0226

Mercury -35162-10-07 06:43 J -11121218.25 -11121218.22 -11121218.18 0.3608 0.3422

Mercury -35120-04-12 00:43 J -11106055.58 -11106055.47 -11106055.35 0.3772 0.0773

Mercury -35116-04-13 11:59 J -11104593.11 -11104593.00 -11104592.89 0.3603 0.1841

Mercury -35115-10-26 20:52 J -11104031.72 -11104031.63 -11104031.55 0.3769 0.2588

Mercury -35111-10-28 08:52 J -11102569.24 -11102569.13 -11102569.01 0.3606 0.1450

Mercury -35069-05-03 03:35 J -11087406.43 -11087406.35 -11087406.28 0.3774 0.2829

Mercury -35064-11-16 23:16 J -11085382.64 -11085382.53 -11085382.41 0.3771 0.0466

Mercury -35060-11-18 11:02 J -11083920.17 -11083920.04 -11083919.92 0.3604 0.0608

Mercury -35054-06-04 07:55 J -11081896.26 -11081896.17 -11081896.09 0.3607 0.2652

Mercury -35013-12-08 01:55 J -11066733.52 -11066733.42 -11066733.31 0.3773 0.1649

Mercury -35009-12-09 12:43 J -11065271.05 -11065270.97 -11065270.89 0.3602 0.2696

Mercury -35007-06-23 21:50 J -11064709.69 -11064709.59 -11064709.48 0.3771 0.1659

Mercury -35003-06-25 09:50 J -11063247.21 -11063247.09 -11063246.97 0.3605 0.0641

35TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 35th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-34962-12-30 04:47 J	-11048084.32	-11048084.30	-11048084.28	0.3775	0.3678		
Mercury	-34956-07-15 00:28 J	-11046060.59	-11046060.48	-11046060.36	0.3773	0.0455		
Mercury	-34952-07-16 11:31 J	-11044598.13	-11044598.02	-11044597.90	0.3603	0.1443		
Mercury	-34950-01-28 20:23 J	-11044036.72	-11044036.65	-11044036.58	0.3770	0.2869		
Mercury	-34946-01-30 08:38 J	-11042574.24	-11042574.14	-11042574.03	0.3606	0.1858		
Mercury	-34905-08-05 03:07 J	-11027411.45	-11027411.37	-11027411.28	0.3775	0.2522		
Mercury	-34901-08-06 13:11 J	-11025948.96	-11025948.95	-11025948.94	0.3601	0.3589		
Mercury	-34899-02-18 23:02 J	-11025387.66	-11025387.54	-11025387.43	0.3772	0.0736		
Mercury	-34895-02-20 10:33 J	-11023925.19	-11023925.06	-11023924.94	0.3604	0.0201		
Mercury	-34890-09-06 07:26 J	-11021901.25	-11021901.19	-11021901.12	0.3606	0.3049		
Mercury	-34848-03-12 01:40 J	-11006738.54	-11006738.43	-11006738.32	0.3774	0.1353		

Mercury -34844-03-13 12:14 J -11005276.09 -11005275.99 -11005275.89 0.3602 0.2311

Mercury -34843-09-25 21:21 J -11004714.71 -11004714.61 -11004714.51 0.3771 0.1932

Mercury -34839-09-27 09:21 J -11003252.23 -11003252.11 -11003251.99 0.3604 0.1035

Mercury -34797-04-02 04:33 J -10988089.36 -10988089.31 -10988089.26 0.3776 0.3375

Mercury -34792-10-16 23:59 J -10986065.61 -10986065.50 -10986065.38 0.3773 0.0229

Mercury -34788-10-18 11:16 J -10984603.15 -10984603.03 -10984602.91 0.3603 0.1047

Mercury -34786-05-02 19:55 J -10984041.73 -10984041.67 -10984041.60 0.3770 0.3158

Mercury -34782-05-04 08:23 J -10982579.25 -10982579.15 -10982579.06 0.3605 0.2260

Mercury -34741-11-07 02:52 J -10967416.47 -10967416.38 -10967416.29 0.3775 0.2218

Mercury -34737-11-08 12:43 J -10965954.02 -10965953.97 -10965953.91 0.3601 0.3185

Mercury -34735-05-23 22:33 J -10965392.67 -10965392.56 -10965392.45 0.3772 0.1022

Mercury -34731-05-25 10:04 J -10963930.20 -10963930.08 -10963929.95 0.3603 0.0248

Mercury -34726-12-09 07:11 J -10961906.23 -10961906.20 -10961906.17 0.3606 0.3475

Mercury -34684-06-14 01:26 J -10946743.55 -10946743.44 -10946743.33 0.3774 0.1046

Mercury -34680-06-15 11:45 J -10945281.11 -10945281.01 -10945280.90 0.3602 0.1901

Mercury -34679-12-28 21:07 J -10944719.71 -10944719.62 -10944719.53 0.3772 0.2232

Mercury -34675-12-30 09:07 J -10943257.23 -10943257.12 -10943257.00 0.3604 0.1452

Mercury -34633-07-05 04:19 J -10928094.39 -10928094.32 -10928094.26 0.3776 0.3066

Mercury -34627-01-18 23:45 J -10926070.63 -10926070.51 -10926070.39 0.3774 0.0121

Mercury -34623-01-20 10:47 J -10924608.17 -10924608.05 -10924607.92 0.3602 0.0635

Mercury -34622-08-04 19:40 J -10924046.72 -10924046.68 -10924046.64 0.3771 0.3448

Mercury -34618-08-06 07:55 J -10922584.25 -10922584.17 -10922584.09 0.3605 0.2664

Mercury -34576-02-09 02:38 J -10907421.49 -10907421.39 -10907421.29 0.3775 0.1932

Mercury -34572-02-10 12:28 J -10905959.06 -10905958.98 -10905958.91 0.3601 0.2794

Mercury -34571-08-25 22:19 J -10905397.68 -10905397.57 -10905397.46 0.3773 0.1313

Mercury -34567-08-27 09:50 J -10903935.22 -10903935.09 -10903934.97 0.3603 0.0611

Mercury -34520-09-16 00:57 J -10886748.57 -10886748.46 -10886748.34 0.3775 0.0769

Mercury -34516-09-17 11:16 J -10885286.14 -10885286.03 -10885285.91 0.3601 0.1516

Mercury -34514-04-01 20:38 J -10884724.72 -10884724.64 -10884724.55 0.3772 0.2518

Mercury -34510-04-03 08:38 J -10883262.25 -10883262.14 -10883262.03 0.3604 0.1846

Mercury -34469-10-07 04:04 J -10868099.41 -10868099.33 -10868099.26 0.3776 0.2781

Mercury -34463-04-22 23:31 J -10866075.64 -10866075.52 -10866075.41 0.3774 0.0421

Mercury -34459-04-24 10:19 J -10864613.19 -10864613.07 -10864612.94 0.3602 0.0262

Mercury -34458-11-06 19:11 J -10864051.71 -10864051.70 -10864051.68 0.3771 0.3737

Mercury -34454-11-08 07:40 J -10862589.24 -10862589.18 -10862589.12 0.3604 0.3084

Mercury -34412-05-14 02:23 J -10847426.51 -10847426.40 -10847426.30 0.3776 0.1624

Mercury -34408-05-15 11:59 J -10845964.10 -10845964.00 -10845963.91 0.3600 0.2393

Mercury -34407-11-27 22:04 J -10845402.69 -10845402.58 -10845402.48 0.3773 0.1617

Mercury -34403-11-29 09:21 J -10843940.23 -10843940.11 -10843939.99 0.3603 0.1021

Mercury -34361-06-04 05:16 J -10828777.31 -10828777.28 -10828777.25 0.3777 0.3609

Mercury -34356-12-19 00:43 J -10826753.58 -10826753.47 -10826753.35 0.3775 0.0467

Mercury -34352-12-20 11:02 J -10825291.16 -10825291.04 -10825290.92 0.3601 0.1105

Mercury -34350-07-04 20:23 J -10824729.72 -10824729.65 -10824729.57 0.3772 0.2810

Mercury -34346-07-06 08:23 J -10823267.25 -10823267.15 -10823267.05 0.3603 0.2264

Mercury -34304-01-09 03:50 J -10808104.43 -10808104.34 -10808104.26 0.3777 0.2476

Mercury -34300-01-10 12:28 J -10806642.03 -10806641.98 -10806641.94 0.3599 0.3299

Mercury -34299-07-25 23:16 J -10806080.65 -10806080.53 -10806080.42 0.3774 0.0721

Mercury -34295-07-27 09:50 J -10804618.21 -10804618.09 -10804617.96 0.3602 0.0202

Mercury -34289-02-10 07:11 J -10802594.22 -10802594.20 -10802594.17 0.3604 0.3494

Mercury -34248-08-16 02:09 J -10787431.52 -10787431.41 -10787431.31 0.3776 0.1327

Mercury -34244-08-17 11:16 J -10785969.13 -10785969.03 -10785968.92 0.3600 0.2012

Mercury -34242-03-01 21:35 J -10785407.70 -10785407.60 -10785407.50 0.3773 0.1880

Mercury -34238-03-03 08:52 J -10783945.24 -10783945.13 -10783945.01 0.3602 0.1421

Mercury -34197-09-06 05:02 J -10768782.34 -10768782.29 -10768782.23 0.3778 0.3308

Mercury -34191-03-23 00:28 J -10766758.59 -10766758.48 -10766758.36 0.3775 0.0168

Mercury -34187-03-24 10:33 J -10765296.19 -10765296.06 -10765295.94 0.3601 0.0725

Mercury -34186-10-06 20:09 J -10764734.73 -10764734.66 -10764734.60 0.3773 0.3081

Mercury -34182-10-08 07:55 J -10763272.25 -10763272.17 -10763272.09 0.3603 0.2667

Mercury -34140-04-13 03:35 J -10748109.45 -10748109.35 -10748109.26 0.3777 0.2174

Mercury -34136-04-14 11:45 J -10746647.08 -10746647.01 -10746646.93 0.3599 0.2916

Mercury -34135-10-27 22:47 J -10746085.66 -10746085.55 -10746085.44 0.3774 0.0999

Mercury -34131-10-29 09:35 J -10744623.23 -10744623.10 -10744622.98 0.3601 0.0569

Mercury -34084-11-18 01:55 J -10727436.53 -10727436.42 -10727436.31 0.3776 0.1026

Mercury -34080-11-19 11:02 J -10725974.16 -10725974.04 -10725973.93 0.3600 0.1606

Mercury -34078-06-03 21:21 J -10725412.70 -10725412.61 -10725412.52 0.3774 0.2176

Mercury -34074-06-05 08:38 J -10723950.25 -10723950.14 -10723950.03 0.3602 0.1835

Mercury -34033-12-09 05:02 J -10708787.36 -10708787.29 -10708787.22 0.3778 0.2994

Mercury -34027-06-25 00:14 J -10706763.60 -10706763.49 -10706763.38 0.3775 0.0129

Mercury -34023-06-26 10:04 J -10705301.21 -10705301.08 -10705300.95 0.3600 0.0309

Mercury -34021-01-08 19:40 J -10704739.73 -10704739.68 -10704739.63 0.3773 0.3369

Mercury -34017-01-10 07:40 J -10703277.25 -10703277.18 -10703277.12 0.3603 0.3087

34TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 34th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-33976-07-16 03:21 J	-10688114.46	-10688114.36	-10688114.26	0.3777	0.1866		
Mercury	-33972-07-17 11:16 J	-10686652.12	-10686652.03	-10686651.94	0.3599	0.2519		
Mercury	-33970-01-29 22:33 J	-10686090.67	-10686090.56	-10686090.45	0.3775	0.1283		
Mercury	-33966-01-31 09:07 J	-10684628.24	-10684628.12	-10684628.00	0.3601	0.0978		
Mercury	-33919-02-20 01:40 J	-10667441.55	-10667441.43	-10667441.32	0.3776	0.0761		
Mercury	-33915-02-21 10:19 J	-10665979.19	-10665979.07	-10665978.94	0.3600	0.1218		
Mercury	-33914-09-05 21:07 J	-10665417.71	-10665417.62	-10665417.54	0.3774	0.2464		
Mercury	-33910-09-07 08:09 J	-10663955.26	-10663955.16	-10663955.06	0.3602	0.2229		

Mercury -33868-03-13 04:47 J -10648792.38 -10648792.30 -10648792.23 0.3778 0.2710

Mercury -33864-03-14 11:31 J -10647330.05 -10647330.02 -10647329.99 0.3598 0.3466

Mercury -33863-09-26 23:59 J -10646768.62 -10646768.50 -10646768.39 0.3776 0.0410

Mercury -33859-09-28 09:35 J -10645306.23 -10645306.10 -10645305.98 0.3600 0.0140

Mercury -33857-04-11 19:26 J -10644744.72 -10644744.69 -10644744.66 0.3773 0.3646

Mercury -33853-04-13 07:11 J -10643282.23 -10643282.20 -10643282.17 0.3602 0.3482

Mercury -33812-10-18 03:07 J -10628119.48 -10628119.37 -10628119.27 0.3777 0.1587

Mercury -33808-10-19 10:47 J -10626657.16 -10626657.05 -10626656.95 0.3598 0.2133

Mercury -33806-05-03 22:19 J -10626095.67 -10626095.57 -10626095.46 0.3775 0.1579

Mercury -33802-05-05 08:38 J -10624633.26 -10624633.14 -10624633.02 0.3601 0.1376

Mercury -33761-11-08 06:14 J -10609470.28 -10609470.24 -10609470.20 0.3779 0.3513

Mercury -33755-05-25 01:26 J -10607446.56 -10607446.44 -10607446.33 0.3777 0.0456

Mercury -33751-05-26 09:50 J -10605984.21 -10605984.09 -10605983.96 0.3599 0.0812

Mercury -33750-12-08 20:52 J -10605422.71 -10605422.63 -10605422.56 0.3774 0.2758

Mercury -33746-12-10 07:40 J -10603960.26 -10603960.18 -10603960.09 0.3601 0.2650

Mercury -33704-06-15 04:33 J -10588797.39 -10588797.31 -10588797.22 0.3778 0.2402

Mercury -33700-06-16 11:02 J -10587335.11 -10587335.04 -10587334.97 0.3598 0.3058

Mercury -33699-12-29 23:45 J -10586773.62 -10586773.51 -10586773.40 0.3776 0.0711

Mercury -33695-12-31 09:07 J -10585311.25 -10585311.12 -10585310.99 0.3600 0.0503

Mercury -33647-01-20 02:52 J -10568124.49 -10568124.38 -10568124.28 0.3778 0.1293

Mercury -33643-01-21 10:19 J -10566662.19 -10566662.07 -10566661.96 0.3598 0.1732

Mercury -33642-08-05 22:04 J -10566100.68 -10566100.58 -10566100.48 0.3776 0.1867

Mercury -33638-08-07 08:09 J -10564638.27 -10564638.16 -10564638.05 0.3600 0.1772

Mercury -33596-02-10 05:59 J -10549475.30 -10549475.25 -10549475.19 0.3779 0.3234

Mercury -33591-08-27 01:11 J -10547451.56 -10547451.45 -10547451.34 0.3777 0.0158

Mercury -33587-08-28 09:21 J -10545989.24 -10545989.11 -10545988.98 0.3599 0.0421

Mercury -33585-03-11 20:23 J -10545427.71 -10545427.65 -10545427.58 0.3775 0.3020

Mercury -33581-03-13 07:11 J -10543965.27 -10543965.20 -10543965.13 0.3601 0.3041

Mercury -33540-09-17 04:19 J -10528802.41 -10528802.32 -10528802.22 0.3778 0.2118

Mercury -33536-09-18 10:19 J -10527340.15 -10527340.07 -10527339.98 0.3597 0.2685

Mercury -33534-04-02 23:31 J -10526778.63 -10526778.52 -10526778.41 0.3776 0.0996

Mercury -33530-04-04 08:23 J -10525316.27 -10525316.15 -10525316.02 0.3599 0.0896

Mercury -33483-04-24 02:38 J -10508129.50 -10508129.39 -10508129.28 0.3778 0.0993

Mercury -33479-04-25 09:35 J -10506667.22 -10506667.10 -10506666.98 0.3598 0.1339

Mercury -33478-11-07 21:50 J -10506105.68 -10506105.59 -10506105.50 0.3776 0.2148

Mercury -33474-11-09 07:40 J -10504643.28 -10504643.18 -10504643.08 0.3600 0.2185

Mercury -33432-05-15 05:59 J -10489480.32 -10489480.25 -10489480.18 0.3779 0.2924

Mercury -33427-11-29 00:57 J -10487456.57 -10487456.46 -10487456.34 0.3777 0.0174

Mercury -33423-11-30 08:52 J -10485994.26 -10485994.13 -10485994.00 0.3599 0.0012

Mercury -33421-06-13 20:09 J -10485432.71 -10485432.66 -10485432.60 0.3775 0.3309

Mercury -33417-06-15 06:43 J -10483970.25 -10483970.22 -10483970.19 0.3601 0.3461

Mercury -33376-12-20 04:19 J -10468807.42 -10468807.32 -10468807.22 0.3779 0.1815

Mercury -33372-12-21 09:50 J -10467345.19 -10467345.09 -10467344.99 0.3597 0.2281

Mercury -33370-07-05 23:16 J -10466783.63 -10466783.53 -10466783.42 0.3777 0.1286

Mercury -33366-07-07 07:55 J -10465321.29 -10465321.17 -10465321.05 0.3599 0.1302

Mercury -33324-01-10 07:40 J -10450158.20 -10450158.18 -10450158.17 0.3780 0.3721

Mercury -33319-07-27 02:38 J -10448134.50 -10448134.39 -10448134.28 0.3778 0.0696

Mercury -33315-07-28 09:07 J -10446672.25 -10446672.12 -10446672.00 0.3598 0.0949

Mercury -33313-02-09 21:35 J -10446110.69 -10446110.60 -10446110.51 0.3776 0.2419

Mercury -33309-02-11 07:11 J -10444648.29 -10444648.20 -10444648.11 0.3600 0.2591

Mercury -33268-08-17 05:45 J -10429485.34 -10429485.26 -10429485.18 0.3780 0.2627

Mercury -33264-08-18 09:50 J -10428023.14 -10428023.09 -10428023.04 0.3597 0.3267

Mercury -33262-03-03 00:43 J -10427461.58 -10427461.47 -10427461.36 0.3777 0.0423

Mercury -33258-03-04 08:09 J -10425999.28 -10425999.16 -10425999.03 0.3599 0.0393

Mercury -33257-09-15 19:55 J -10425437.70 -10425437.67 -10425437.64 0.3775 0.3579

Mercury -33211-03-24 04:04 J -10408812.43 -10408812.33 -10408812.23 0.3779 0.1521

Mercury -33207-03-25 09:07 J -10407350.23 -10407350.12 -10407350.01 0.3597 0.1903

Mercury -33206-10-07 23:02 J -10406788.64 -10406788.54 -10406788.44 0.3777 0.1554

Mercury -33202-10-09 07:26 J -10405326.30 -10405326.19 -10405326.08 0.3599 0.1692

Mercury -33160-04-14 07:26 J -10390163.23 -10390163.19 -10390163.14 0.3780 0.3419

Mercury -33155-10-29 02:23 J -10388139.51 -10388139.40 -10388139.29 0.3778 0.0417

Mercury -33151-10-30 08:23 J -10386677.28 -10386677.15 -10386677.02 0.3598 0.0556

Mercury -33149-05-13 21:21 J -10386115.69 -10386115.61 -10386115.53 0.3776 0.2704

Mercury -33145-05-15 06:43 J -10384653.29 -10384653.22 -10384653.15 0.3600 0.2994

Mercury -33104-11-19 05:45 J -10369490.35 -10369490.26 -10369490.17 0.3779 0.2326

Mercury -33100-11-20 09:21 J -10368028.19 -10368028.11 -10368028.04 0.3596 0.2870

Mercury -33098-06-05 00:43 J -10367466.59 -10367466.47 -10367466.36 0.3778 0.0723

Mercury -33094-06-06 07:40 J -10366004.30 -10366004.18 -10366004.05 0.3598 0.0789

Mercury -33047-06-26 04:04 J -10348817.44 -10348817.33 -10348817.23 0.3779 0.1224

Mercury -33043-06-27 08:38 J -10347355.26 -10347355.14 -10347355.02 0.3597 0.1495

Mercury -33041-01-09 22:47 J -10346793.64 -10346793.55 -10346793.45 0.3777 0.1856

Mercury -33037-01-11 06:57 J -10345331.31 -10345331.21 -10345331.11 0.3599 0.2105

33RD MILLENNIUM BCE

This is a list of transits visible from Venus in the 33rd millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-32996-07-17 07:26 J	-10330168.25	-10330168.19	-10330168.13	0.3780	0.3116		
Mercury	-32990-01-31 02:09 J	-10328144.52	-10328144.41	-10328144.30	0.3779	0.0127		
Mercury	-32986-02-01 07:55 J	-10326682.30	-10326682.17	-10326682.04	0.3598	0.0150		
Mercury	-32985-08-15 21:07 J	-10326120.68	-10326120.62	-10326120.55	0.3777	0.2996		
Mercury	-32981-08-17 05:59 J	-10324658.29	-10324658.25	-10324658.21	0.3599	0.3393		
Mercury	-32939-02-21 05:31 J	-10309495.36	-10309495.27	-10309495.17	0.3780	0.2047		
Mercury	-32935-02-22 08:38 J	-10308033.24	-10308033.14	-10308033.05	0.3596	0.2486		

Mercury -32934-09-07 00:28 J -10307471.59 -10307471.48 -10307471.37 0.3778 0.0996

Mercury -32930-09-08 06:57 J -10306009.33 -10306009.21 -10306009.08 0.3598 0.1178

Mercury -32883-09-28 03:50 J -10288822.45 -10288822.34 -10288822.23 0.3779 0.0950

Mercury -32879-09-29 07:55 J -10287360.30 -10287360.17 -10287360.05 0.3597 0.1120

Mercury -32877-04-12 22:47 J -10286798.65 -10286798.55 -10286798.46 0.3777 0.2130

Mercury -32873-04-14 06:14 J -10285336.33 -10285336.24 -10285336.14 0.3599 0.2493

Mercury -32832-10-19 07:11 J -10270173.27 -10270173.20 -10270173.12 0.3780 0.2838

Mercury -32828-10-20 08:23 J -10268711.17 -10268711.15 -10268711.12 0.3595 0.3494

Mercury -32826-05-05 02:09 J -10268149.53 -10268149.41 -10268149.30 0.3779 0.0207

Mercury -32822-05-06 07:11 J -10266687.33 -10266687.20 -10266687.07 0.3597 0.0247

Mercury -32821-11-17 21:07 J -10266125.68 -10266125.62 -10266125.57 0.3777 0.3277

Mercury -32775-05-26 05:31 J -10249500.37 -10249500.27 -10249500.17 0.3780 0.1743

Mercury -32771-05-27 07:55 J -10248038.28 -10248038.17 -10248038.06 0.3596 0.2090

Mercury -32770-12-10 00:14 J -10247476.59 -10247476.49 -10247476.38 0.3778 0.1298

Mercury -32766-12-11 06:28 J -10246014.34 -10246014.23 -10246014.11 0.3598 0.1585

Mercury -32724-06-16 09:07 J -10230851.15 -10230851.12 -10230851.09 0.3781 0.3604

Mercury -32719-12-31 03:50 J -10228827.45 -10228827.34 -10228827.23 0.3779 0.0660

Mercury -32714-01-01 07:11 J -10227365.32 -10227365.20 -10227365.07 0.3597 0.0722

Mercury -32713-07-15 22:33 J -10226803.64 -10226803.56 -10226803.47 0.3778 0.2421

Mercury -32709-07-17 05:45 J -10225341.33 -10225341.26 -10225341.19 0.3599 0.2906

Mercury -32667-01-21 07:11 J -10210178.28 -10210178.20 -10210178.12 0.3781 0.2537

Mercury -32663-01-22 07:55 J -10208716.24 -10208716.17 -10208716.11 0.3595 0.3100

Mercury -32662-08-07 01:55 J -10208154.53 -10208154.42 -10208154.31 0.3779 0.0461

Mercury -32658-08-08 06:28 J -10206692.36 -10206692.23 -10206692.10 0.3597 0.0630

Mercury -32656-02-19 20:52 J -10206130.67 -10206130.63 -10206130.60 0.3777 0.3537

Mercury -32611-08-28 05:31 J -10189505.38 -10189505.27 -10189505.17 0.3780 0.1461

Mercury -32607-08-29 07:11 J -10188043.32 -10188043.20 -10188043.09 0.3596 0.1720

Mercury -32605-03-13 00:14 J -10187481.60 -10187481.49 -10187481.39 0.3778 0.1563

Mercury -32601-03-14 05:45 J -10186019.37 -10186019.26 -10186019.15 0.3598 0.1972

Mercury -32560-09-18 09:07 J -10170856.17 -10170856.12 -10170856.07 0.3781 0.3316

Mercury -32554-04-04 03:35 J -10168832.46 -10168832.35 -10168832.24 0.3779 0.0361

Mercury -32550-04-05 06:28 J -10167370.36 -10167370.23 -10167370.10 0.3596 0.0351

Mercury -32549-10-17 22:19 J -10166808.64 -10166808.57 -10166808.49 0.3778 0.2687

Mercury -32545-10-19 05:02 J -10165346.33 -10165346.29 -10165346.24 0.3598 0.3307

Mercury -32503-04-25 07:11 J -10150183.29 -10150183.20 -10150183.11 0.3781 0.2239

Mercury -32499-04-26 06:57 J -10148721.29 -10148721.21 -10148721.12 0.3595 0.2727

Mercury -32498-11-09 01:55 J -10148159.53 -10148159.42 -10148159.31 0.3779 0.0751

Mercury -32494-11-10 05:59 J -10146697.38 -10146697.25 -10146697.13 0.3597 0.1032

Mercury -32447-11-30 05:16 J -10129510.38 -10129510.28 -10129510.17 0.3780 0.1165

Mercury -32443-12-01 06:28 J -10128048.35 -10128048.23 -10128048.11 0.3596 0.1322

Mercury -32441-06-14 23:59 J -10127486.60 -10127486.50 -10127486.40 0.3778 0.1850

Mercury -32437-06-16 05:16 J -10126024.38 -10126024.28 -10126024.18 0.3598 0.2385

Mercury -32396-12-21 09:07 J -10110861.19 -10110861.12 -10110861.06 0.3781 0.3011

Mercury -32390-07-07 03:35 J -10108837.46 -10108837.35 -10108837.24 0.3779 0.0099

Mercury -32386-07-08 05:59 J -10107375.39 -10107375.25 -10107375.12 0.3596 0.0124

Mercury -32384-01-19 22:19 J -10106813.64 -10106813.57 -10106813.50 0.3778 0.2966

Mercury -32339-07-28 07:11 J -10090188.30 -10090188.20 -10090188.11 0.3781 0.1945

Mercury -32335-07-29 06:14 J -10088726.34 -10088726.24 -10088726.14 0.3595 0.2347

Mercury -32333-02-11 01:40 J -10088164.54 -10088164.43 -10088164.32 0.3779 0.1014

Mercury -32329-02-12 05:16 J -10086702.40 -10086702.28 -10086702.16 0.3597 0.1432

Mercury -32288-08-18 10:47 J -10071539.05 -10071539.05 -10071539.04 0.3782 0.3775

Mercury -32282-03-04 05:16 J -10069515.39 -10069515.28 -10069515.17 0.3780 0.0886

Mercury -32278-03-05 05:45 J -10068053.39 -10068053.26 -10068053.13 0.3596 0.0946

Mercury -32277-09-16 23:59 J -10067491.60 -10067491.50 -10067491.41 0.3779 0.2129

Mercury -32273-09-18 04:33 J -10066029.39 -10066029.31 -10066029.23 0.3597 0.2772

Mercury -32231-03-25 08:52 J -10050866.20 -10050866.13 -10050866.05 0.3781 0.2729

Mercury -32227-03-26 05:59 J -10049404.29 -10049404.25 -10049404.21 0.3595 0.3397

Mercury -32226-10-09 03:21 J -10048842.47 -10048842.36 -10048842.25 0.3780 0.0210

Mercury -32222-10-10 05:02 J -10047380.42 -10047380.29 -10047380.15 0.3596 0.0458

Mercury -32220-04-23 22:04 J -10046818.63 -10046818.58 -10046818.52 0.3778 0.3245

Mercury -32175-10-30 06:57 J -10030193.30 -10030193.21 -10030193.11 0.3781 0.1673

Mercury -32171-10-31 05:31 J -10028731.38 -10028731.27 -10028731.16 0.3595 0.1968

Mercury -32169-05-15 01:40 J -10028169.54 -10028169.43 -10028169.33 0.3779 0.1305

Mercury -32165-05-16 04:33 J -10026707.42 -10026707.31 -10026707.20 0.3597 0.1825

Mercury -32124-11-20 10:47 J -10011544.09 -10011544.05 -10011544.01 0.3781 0.3480

Mercury -32118-06-06 05:16 J -10009520.39 -10009520.28 -10009520.17 0.3780 0.0602

Mercury -32114-06-07 05:02 J -10008058.42 -10008058.29 -10008058.16 0.3596 0.0549

Mercury -32113-12-19 23:45 J -10007496.59 -10007496.51 -10007496.42 0.3779 0.2415

Mercury -32109-12-21 03:50 J -10006034.39 -10006034.34 -10006034.28 0.3597 0.3186

Mercury -32067-06-27 08:52 J -9990871.21 -9990871.13 -9990871.04 0.3781 0.2432

Mercury -32063-06-28 05:16 J -9989409.35 -9989409.28 -9989409.21 0.3595 0.3003

Mercury -32061-01-11 03:21 J -9988847.47 -9988847.36 -9988847.25 0.3780 0.0501

Mercury -32057-01-12 04:33 J -9987385.44 -9987385.31 -9987385.18 0.3596 0.0855

Mercury -32056-07-26 22:04 J -9986823.62 -9986823.58 -9986823.54 0.3778 0.3528

Mercury -32010-02-01 06:57 J -9970198.31 -9970198.21 -9970198.10 0.3781 0.1383

Mercury -32006-02-02 04:47 J -9968736.42 -9968736.30 -9968736.18 0.3595 0.1578

Mercury -32005-08-17 01:26 J -9968174.54 -9968174.44 -9968174.33 0.3779 0.1596

Mercury -32001-08-18 03:50 J -9966712.44 -9966712.34 -9966712.24 0.3597 0.2208

32ND MILLENNIUM BCE

This is a list of transits visible from Venus in the 32nd millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
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Mercury	-31959-02-22 10:47 J	-9951549.11	-9951549.05	-9951548.99	0.3782	0.3206
Mercury	-31954-09-08 05:16 J	-9949525.40	-9949525.28	-9949525.17	0.3780	0.0344
Mercury	-31950-09-09 04:19 J	-9948063.46	-9948063.32	-9948063.19	0.3595	0.0209
Mercury	-31948-03-23 23:45 J	-9947501.59	-9947501.51	-9947501.43	0.3779	0.2676
Mercury	-31944-03-25 03:07 J	-9946039.38	-9946039.37	-9946039.35	0.3597	0.3564
Mercury	-31903-09-29 08:52 J	-9930876.22	-9930876.13	-9930876.04	0.3781	0.2153
Mercury	-31899-09-30 04:19 J	-9929414.41	-9929414.32	-9929414.23	0.3595	0.2644
Mercury	-31897-04-14 03:21 J	-9928852.47	-9928852.36	-9928852.25	0.3780	0.0780
Mercury	-31893-04-15 03:35 J	-9927390.47	-9927390.35	-9927390.22	0.3596	0.1229
Mercury	-31846-05-06 06:57 J	-9910203.31	-9910203.21	-9910203.10	0.3781	0.1094
Mercury	-31842-05-07 03:50 J	-9908741.46	-9908741.34	-9908741.21	0.3595	0.1205
Mercury	-31841-11-19 01:26 J	-9908179.53	-9908179.44	-9908179.34	0.3779	0.1867
Mercury	-31837-11-20 03:07 J	-9906717.46	-9906717.37	-9906717.28	0.3596	0.2613
Mercury	-31795-05-27 10:47 J	-9891554.12	-9891554.05	-9891553.98	0.3782	0.2906
Mercury	-31790-12-11 05:16 J	-9889530.39	-9889530.28	-9889530.17	0.3780	0.0117
Mercury	-31786-12-12 03:35 J	-9888068.49	-9888068.35	-9888068.22	0.3595	0.0245
Mercury	-31784-06-25 23:45 J	-9887506.58	-9887506.51	-9887506.45	0.3779	0.2963
Mercury	-31738-01-01 08:52 J	-9870881.22	-9870881.13	-9870881.03	0.3781	0.1859
Mercury	-31734-01-02 03:35 J	-9869419.45	-9869419.35	-9869419.25	0.3595	0.2253
Mercury	-31733-07-17 03:21 J	-9868857.47	-9868857.36	-9868857.26	0.3780	0.1065
Mercury	-31729-07-18 02:52 J	-9867395.49	-9867395.38	-9867395.26	0.3596	0.1624
Mercury	-31687-01-22 12:43 J	-9852231.99	-9852231.97	-9852231.94	0.3782	0.3657
Mercury	-31682-08-08 06:57 J	-9850208.31	-9850208.21	-9850208.10	0.3781	0.0807
Mercury	-31678-08-09 03:07 J	-9848746.50	-9848746.37	-9848746.24	0.3595	0.0826
Mercury	-31676-02-21 01:26 J	-9848184.53	-9848184.44	-9848184.35	0.3779	0.2129
Mercury	-31672-02-22 02:23 J	-9846722.47	-9846722.40	-9846722.33	0.3597	0.3004
Mercury	-31631-08-29 10:47 J	-9831559.12	-9831559.05	-9831558.97	0.3782	0.2618
Mercury	-31627-08-30 03:07 J	-9830097.42	-9830097.37	-9830097.33	0.3594	0.3362
Mercury	-31625-03-14 05:02 J	-9829535.40	-9829535.29	-9829535.18	0.3780	0.0264
Mercury	-31621-03-15 02:38 J	-9828073.52	-9828073.39	-9828073.26	0.3595	0.0596

Mercury	-31620-09-27 23:31 J	-9827511.58	-9827511.52	-9827511.46	0.3779	0.3220
Mercury	-31574-04-05 08:52 J	-9810886.23	-9810886.13	-9810886.03	0.3781	0.1573
Mercury	-31570-04-06 02:38 J	-9809424.50	-9809424.39	-9809424.28	0.3594	0.1893
Mercury	-31569-10-19 03:07 J	-9808862.47	-9808862.37	-9808862.26	0.3780	0.1334
Mercury	-31565-10-20 02:09 J	-9807400.52	-9807400.41	-9807400.30	0.3596	0.2006
Mercury	-31523-04-26 12:57 J	-9792237.01	-9792236.96	-9792236.92	0.3782	0.3358
Mercury	-31518-11-10 06:57 J	-9790213.32	-9790213.21	-9790213.10	0.3781	0.0525
Mercury	-31514-11-11 02:23 J	-9788751.54	-9788751.40	-9788751.27	0.3595	0.0459
Mercury	-31512-05-26 01:26 J	-9788189.53	-9788189.44	-9788189.36	0.3779	0.2413
Mercury	-31508-05-27 01:40 J	-9786727.47	-9786727.43	-9786727.39	0.3596	0.3399
Mercury	-31467-12-01 11:02 J	-9771564.13	-9771564.04	-9771563.96	0.3781	0.2326
Mercury	-31463-12-02 02:09 J	-9770102.48	-9770102.41	-9770102.34	0.3594	0.2978
Mercury	-31461-06-16 05:02 J	-9769540.40	-9769540.29	-9769540.18	0.3780	0.0547
Mercury	-31457-06-17 01:55 J	-9768078.55	-9768078.42	-9768078.29	0.3595	0.0995
Mercury	-31456-12-30 23:31 J	-9767516.56	-9767516.52	-9767516.48	0.3779	0.3506
Mercury	-31410-07-08 09:07 J	-9750891.23	-9750891.12	-9750891.02	0.3781	0.1286
Mercury	-31406-07-09 01:55 J	-9749429.54	-9749429.42	-9749429.30	0.3595	0.1506
Mercury	-31404-01-21 03:07 J	-9748867.47	-9748867.37	-9748867.27	0.3780	0.1615
Mercury	-31400-01-22 01:26 J	-9747405.54	-9747405.44	-9747405.34	0.3596	0.2405
Mercury	-31359-07-29 12:57 J	-9732242.02	-9732241.96	-9732241.90	0.3782	0.3066
Mercury	-31353-02-12 06:57 J	-9730218.32	-9730218.21	-9730218.10	0.3781	0.0251
Mercury	-31349-02-13 01:26 J	-9728756.57	-9728756.44	-9728756.30	0.3595	0.0057
Mercury	-31348-08-28 01:26 J	-9728194.52	-9728194.44	-9728194.37	0.3780	0.2691
Mercury	-31302-03-05 11:02 J	-9711569.14	-9711569.04	-9711568.95	0.3782	0.2054
Mercury	-31298-03-06 01:11 J	-9710107.54	-9710107.45	-9710107.36	0.3594	0.2615
Mercury	-31297-09-18 05:02 J	-9709545.40	-9709545.29	-9709545.18	0.3780	0.0818
Mercury	-31293-09-19 00:57 J	-9708083.58	-9708083.46	-9708083.34	0.3595	0.1364
Mercury	-31291-04-03 23:31 J	-9707521.52	-9707521.52	-9707521.52	0.3779	0.3774
Mercury	-31246-10-10 08:52 J	-9690896.23	-9690896.13	-9690896.02	0.3781	0.1019
Mercury	-31242-10-11 00:57 J	-9689434.59	-9689434.46	-9689434.34	0.3594	0.1147

Mercury	-31240-04-25 03:07 J	-9688872.46	-9688872.37	-9688872.27	0.3780	0.1889
Mercury	-31236-04-26 00:28 J	-9687410.56	-9687410.48	-9687410.39	0.3596	0.2780
Mercury	-31195-10-31 12:57 J	-9672247.03	-9672246.96	-9672246.89	0.3782	0.2789
Mercury	-31189-05-16 06:57 J	-9670223.32	-9670223.21	-9670223.10	0.3781	0.0135
Mercury	-31185-05-17 00:28 J	-9668761.61	-9668761.48	-9668761.34	0.3595	0.0332
Mercury	-31184-11-30 01:26 J	-9668199.51	-9668199.44	-9668199.38	0.3779	0.2970
Mercury	-31138-06-07 11:02 J	-9651574.14	-9651574.04	-9651573.94	0.3781	0.1756
Mercury	-31134-06-08 00:14 J	-9650112.59	-9650112.49	-9650112.38	0.3594	0.2239
Mercury	-31133-12-21 05:02 J	-9649550.39	-9649550.29	-9649550.18	0.3780	0.1113
Mercury	-31129-12-22 00:14 J	-9648088.61	-9648088.49	-9648088.38	0.3595	0.1761
Mercury	-31087-06-28 15:07 J	-9632924.91	-9632924.87	-9632924.83	0.3782	0.3512
Mercury	-31081-01-12 09:07 J	-9630901.23	-9630901.12	-9630901.02	0.3781	0.0725
Mercury	-31077-01-12 23:59 J	-9629439.63	-9629439.50	-9629439.37	0.3594	0.0755
Mercury	-31076-07-28 03:21 J	-9628877.45	-9628877.36	-9628877.28	0.3780	0.2174
Mercury	-31072-07-28 23:45 J	-9627415.57	-9627415.51	-9627415.45	0.3596	0.3175
Mercury	-31030-02-02 12:57 J	-9612252.04	-9612251.96	-9612251.88	0.3782	0.2506
Mercury	-31026-02-02 23:31 J	-9610790.56	-9610790.52	-9610790.47	0.3594	0.3376
Mercury	-31025-08-18 07:11 J	-9610228.31	-9610228.20	-9610228.09	0.3781	0.0354
Mercury	-31021-08-18 23:31 J	-9608766.65	-9608766.52	-9608766.38	0.3595	0.0688
Mercury	-31019-03-04 01:11 J	-9608204.50	-9608204.45	-9608204.39	0.3779	0.3222

31ST MILLENNIUM BCE

This is a list of transits visible from Venus in the 31st millennium BCE.

PLANET	MAX- TRANSIT	C	START	MAX	END	SUNRAD	DEPTH	S
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TIME

Mercury	-30974-09-09 11:02 J	-9591579.14	-9591579.04	-9591578.94	0.3781	0.1478
Mercury	-30970-09-09 23:16 J	-9590117.64	-9590117.53	-9590117.41	0.3594	0.1888
Mercury	-30968-03-25 05:02 J	-9589555.39	-9589555.29	-9589555.18	0.3780	0.1366
Mercury	-30964-03-25 23:16 J	-9588093.64	-9588093.53	-9588093.42	0.3595	0.2124
Mercury	-30923-09-30 15:07 J	-9572929.92	-9572929.87	-9572929.81	0.3782	0.3234
Mercury	-30917-04-15 09:07 J	-9570906.23	-9570906.12	-9570906.01	0.3781	0.0439
Mercury	-30913-04-15 23:02 J	-9569444.68	-9569444.54	-9569444.41	0.3594	0.0403
Mercury	-30912-10-30 03:07 J	-9568882.45	-9568882.37	-9568882.28	0.3780	0.2431
Mercury	-30908-10-30 22:47 J	-9567420.56	-9567420.55	-9567420.53	0.3596	0.3560
Mercury	-30866-05-07 13:11 J	-9552257.04	-9552256.95	-9552256.86	0.3782	0.2212
Mercury	-30862-05-07 22:33 J	-9550795.63	-9550795.56	-9550795.49	0.3594	0.3019
Mercury	-30861-11-20 07:11 J	-9550233.31	-9550233.20	-9550233.09	0.3780	0.0608
Mercury	-30857-11-20 22:47 J	-9548771.68	-9548771.55	-9548771.42	0.3595	0.1070
Mercury	-30855-06-06 01:11 J	-9548209.49	-9548209.45	-9548209.41	0.3779	0.3498
Mercury	-30810-12-12 11:16 J	-9531584.14	-9531584.03	-9531583.93	0.3781	0.1192
Mercury	-30806-12-12 22:19 J	-9530122.69	-9530122.57	-9530122.44	0.3594	0.1508
Mercury	-30804-06-27 05:16 J	-9529560.38	-9529560.28	-9529560.19	0.3780	0.1654
Mercury	-30800-06-27 22:33 J	-9528098.66	-9528098.56	-9528098.47	0.3595	0.2530
Mercury	-30758-01-02 15:21 J	-9512934.93	-9512934.86	-9512934.80	0.3782	0.2938
Mercury	-30753-07-18 09:07 J	-9510911.23	-9510911.12	-9510911.01	0.3781	0.0178
Mercury	-30749-07-18 22:04 J	-9509449.72	-9509449.58	-9509449.44	0.3595	0.0027
Mercury	-30747-02-01 03:07 J	-9508887.44	-9508887.37	-9508887.29	0.3780	0.2702
Mercury	-30702-08-09 13:11 J	-9492262.04	-9492261.95	-9492261.85	0.3782	0.1931
Mercury	-30698-08-09 21:35 J	-9490800.69	-9490800.60	-9490800.51	0.3594	0.2674
Mercury	-30696-02-22 07:11 J	-9490238.31	-9490238.20	-9490238.10	0.3781	0.0867
Mercury	-30692-02-22 21:50 J	-9488776.71	-9488776.59	-9488776.47	0.3595	0.1449
Mercury	-30691-09-08 01:11 J	-9488214.45	-9488214.45	-9488214.44	0.3780	0.3767
Mercury	-30651-08-30 17:31 J	-9473612.80	-9473612.77	-9473612.75	0.3782	0.3657
Mercury	-30645-03-15 11:16 J	-9471589.14	-9471589.03	-9471588.93	0.3781	0.0927

Mercury	-30641-03-15 21:21 J	-9470127.74	-9470127.61	-9470127.48	0.3594	0.1161
Mercury	-30640-09-29 05:16 J	-9469565.38	-9469565.28	-9469565.19	0.3780	0.1919
Mercury	-30636-09-29 21:21 J	-9468103.68	-9468103.61	-9468103.53	0.3595	0.2898
Mercury	-30594-04-06 15:21 J	-9452939.93	-9452939.86	-9452939.78	0.3782	0.2659
Mercury	-30589-10-20 09:07 J	-9450916.23	-9450916.12	-9450916.01	0.3781	0.0155
Mercury	-30585-10-20 21:07 J	-9449454.76	-9449454.62	-9449454.49	0.3595	0.0343
Mercury	-30583-05-06 03:21 J	-9448892.43	-9448892.36	-9448892.30	0.3780	0.2976
Mercury	-30538-11-11 13:26 J	-9432267.04	-9432266.94	-9432266.85	0.3781	0.1656
Mercury	-30534-11-11 20:23 J	-9430805.75	-9430805.65	-9430805.54	0.3594	0.2314
Mercury	-30532-05-27 07:11 J	-9430243.30	-9430243.20	-9430243.09	0.3781	0.1148
Mercury	-30528-05-27 20:52 J	-9428781.75	-9428781.63	-9428781.51	0.3595	0.1829
Mercury	-30487-12-02 17:31 J	-9413617.81	-9413617.77	-9413617.72	0.3782	0.3370
Mercury	-30481-06-17 11:16 J	-9411594.14	-9411594.03	-9411593.92	0.3781	0.0640
Mercury	-30477-06-17 20:23 J	-9410132.79	-9410132.65	-9410132.52	0.3594	0.0788
Mercury	-30475-01-01 05:16 J	-9409570.37	-9409570.28	-9409570.19	0.3780	0.2194
Mercury	-30471-01-01 20:38 J	-9408108.69	-9408108.64	-9408108.59	0.3595	0.3287
Mercury	-30430-07-09 15:35 J	-9392944.94	-9392944.85	-9392944.77	0.3781	0.2373
Mercury	-30426-07-09 19:26 J	-9391483.71	-9391483.69	-9391483.66	0.3594	0.3492
Mercury	-30424-01-22 09:21 J	-9390921.22	-9390921.11	-9390921.00	0.3781	0.0394
Mercury	-30420-01-22 20:09 J	-9389459.79	-9389459.66	-9389459.53	0.3595	0.0727
Mercury	-30419-08-08 03:21 J	-9388897.41	-9388897.36	-9388897.31	0.3780	0.3247
Mercury	-30373-02-13 13:26 J	-9372272.04	-9372271.94	-9372271.84	0.3781	0.1380
Mercury	-30369-02-13 19:26 J	-9370810.80	-9370810.69	-9370810.58	0.3594	0.1949
Mercury	-30368-08-29 07:11 J	-9370248.30	-9370248.20	-9370248.09	0.3781	0.1432
Mercury	-30364-08-29 19:55 J	-9368786.78	-9368786.67	-9368786.57	0.3595	0.2188
Mercury	-30322-03-06 17:45 J	-9353622.82	-9353622.76	-9353622.70	0.3782	0.3105
Mercury	-30317-09-19 11:31 J	-9351599.13	-9351599.02	-9351598.92	0.3781	0.0390
Mercury	-30313-09-19 19:11 J	-9350137.83	-9350137.70	-9350137.56	0.3594	0.0435
Mercury	-30311-04-05 05:16 J	-9349575.36	-9349575.28	-9349575.20	0.3780	0.2454
Mercury	-30266-10-11 15:35 J	-9332949.94	-9332949.85	-9332949.76	0.3781	0.2106

Mercury	-30262-10-11 18:28 J	-9331488.80	-9331488.73	-9331488.67	0.3594	0.3156
Mercury	-30260-04-26 09:21 J	-9330926.21	-9330926.11	-9330926.00	0.3781	0.0673
Mercury	-30256-04-26 19:11 J	-9329464.83	-9329464.70	-9329464.57	0.3595	0.1083
Mercury	-30255-11-10 03:21 J	-9328902.40	-9328902.36	-9328902.32	0.3779	0.3499
Mercury	-30209-05-17 13:40 J	-9312277.04	-9312276.93	-9312276.83	0.3781	0.1105
Mercury	-30205-05-17 18:14 J	-9310815.86	-9310815.74	-9310815.61	0.3594	0.1597
Mercury	-30204-12-01 07:26 J	-9310253.29	-9310253.19	-9310253.09	0.3780	0.1695
Mercury	-30200-12-01 18:57 J	-9308791.81	-9308791.71	-9308791.62	0.3595	0.2570
Mercury	-30158-06-08 17:59 J	-9293627.83	-9293627.75	-9293627.68	0.3781	0.2817
Mercury	-30153-12-22 11:31 J	-9291604.13	-9291604.02	-9291603.91	0.3781	0.0119
Mercury	-30149-12-22 18:14 J	-9290142.88	-9290142.74	-9290142.60	0.3594	0.0065
Mercury	-30147-07-08 05:31 J	-9289580.35	-9289580.27	-9289580.20	0.3780	0.2733
Mercury	-30101-01-13 15:50 J	-9272954.94	-9272954.84	-9272954.75	0.3781	0.1819
Mercury	-30097-01-13 17:16 J	-9271493.86	-9271493.78	-9271493.69	0.3594	0.2792
Mercury	-30096-07-29 09:35 J	-9270931.21	-9270931.10	-9270931.00	0.3780	0.0946
Mercury	-30092-07-29 17:59 J	-9269469.87	-9269469.75	-9269469.62	0.3595	0.1448
Mercury	-30090-02-12 03:21 J	-9268907.37	-9268907.36	-9268907.35	0.3780	0.3761
Mercury	-30050-02-03 20:09 J	-9254305.70	-9254305.66	-9254305.63	0.3782	0.3521
Mercury	-30045-08-19 13:40 J	-9252282.03	-9252281.93	-9252281.82	0.3781	0.0820
Mercury	-30041-08-19 17:16 J	-9250820.91	-9250820.78	-9250820.65	0.3594	0.1255
Mercury	-30039-03-05 07:26 J	-9250258.28	-9250258.19	-9250258.10	0.3780	0.1948
Mercury	-30035-03-05 17:45 J	-9248796.83	-9248796.76	-9248796.68	0.3595	0.2938

30TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 30th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-29994-09-10 17:59 J	-9233632.83	-9233632.75	-9233632.67	0.3781	0.2534		
Mercury	-29988-03-26 11:31 J	-9231609.12	-9231609.02	-9231608.91	0.3781	0.0249		
Mercury	-29984-03-26 17:02 J	-9230147.93	-9230147.79	-9230147.65	0.3595	0.0287		
Mercury	-29983-10-10 05:31 J	-9229585.34	-9229585.27	-9229585.21	0.3780	0.2982		
Mercury	-29937-04-16 15:50 J	-9212959.93	-9212959.84	-9212959.74	0.3781	0.1548		
Mercury	-29933-04-16 16:04 J	-9211498.93	-9211498.83	-9211498.73	0.3594	0.2462		
Mercury	-29932-10-31 09:35 J	-9210936.20	-9210936.10	-9210936.00	0.3780	0.1199		
Mercury	-29928-10-31 17:02 J	-9209474.91	-9209474.79	-9209474.67	0.3595	0.1808		
Mercury	-29886-05-08 20:23 J	-9194310.71	-9194310.65	-9194310.60	0.3781	0.3233		
Mercury	-29881-11-21 13:55 J	-9192287.03	-9192286.92	-9192286.81	0.3781	0.0543		
Mercury	-29877-11-21 16:04 J	-9190825.96	-9190825.83	-9190825.70	0.3594	0.0893		
Mercury	-29875-06-07 07:40 J	-9190263.27	-9190263.18	-9190263.10	0.3780	0.2228		
Mercury	-29871-06-07 16:47 J	-9188801.85	-9188801.80	-9188801.75	0.3595	0.3312		
Mercury	-29830-12-13 18:14 J	-9173637.83	-9173637.74	-9173637.65	0.3781	0.2248		
Mercury	-29824-06-28 11:45 J	-9171614.12	-9171614.01	-9171613.90	0.3780	0.0465		
Mercury	-29820-06-28 16:04 J	-9170152.97	-9170152.83	-9170152.70	0.3595	0.0658		
Mercury	-29818-01-12 05:31 J	-9169590.32	-9169590.27	-9169590.21	0.3780	0.3258		
Mercury	-29773-07-19 16:04 J	-9152964.93	-9152964.83	-9152964.73	0.3781	0.1260		
Mercury	-29769-07-19 14:52 J	-9151503.99	-9151503.88	-9151503.76	0.3594	0.2107		
Mercury	-29767-02-02 09:50 J	-9150941.19	-9150941.09	-9150940.99	0.3780	0.1479		
Mercury	-29763-02-02 16:04 J	-9149479.94	-9149479.83	-9149479.73	0.3595	0.2183		
Mercury	-29722-08-10 20:38 J	-9134315.71	-9134315.64	-9134315.58	0.3781	0.2956		
Mercury	-29716-02-23 13:55 J	-9132292.03	-9132291.92	-9132291.81	0.3781	0.0292		
Mercury	-29712-02-23 14:52 J	-9130831.01	-9130830.88	-9130830.74	0.3595	0.0544		
Mercury	-29711-09-09 07:40 J	-9130268.26	-9130268.18	-9130268.10	0.3780	0.2490		
Mercury	-29665-03-16 18:28 J	-9113642.83	-9113642.73	-9113642.64	0.3781	0.1989		
Mercury	-29661-03-16 13:40 J	-9112181.98	-9112181.93	-9112181.89	0.3594	0.3370		

Mercury	-29660-09-30 11:59 J	-9111619.11	-9111619.00	-9111618.90	0.3780	0.0733
Mercury	-29656-09-30 14:52 J	-9110158.01	-9110157.88	-9110157.75	0.3595	0.1002
Mercury	-29654-04-16 05:45 J	-9109595.30	-9109595.26	-9109595.23	0.3780	0.3522
Mercury	-29614-04-07 22:47 J	-9094993.57	-9094993.55	-9094993.52	0.3781	0.3648
Mercury	-29609-10-21 16:19 J	-9092969.93	-9092969.82	-9092969.72	0.3781	0.1002
Mercury	-29605-10-21 13:40 J	-9091509.05	-9091508.93	-9091508.81	0.3594	0.1773
Mercury	-29603-05-07 09:50 J	-9090946.18	-9090946.09	-9090945.99	0.3780	0.1742
Mercury	-29599-05-07 14:52 J	-9089484.98	-9089484.88	-9089484.79	0.3595	0.2531
Mercury	-29558-11-12 20:38 J	-9074320.71	-9074320.64	-9074320.56	0.3781	0.2682
Mercury	-29552-05-28 14:09 J	-9072297.02	-9072296.91	-9072296.80	0.3780	0.0026
Mercury	-29548-05-28 13:40 J	-9070836.06	-9070835.93	-9070835.79	0.3595	0.0218
Mercury	-29547-12-12 07:55 J	-9070273.25	-9070273.17	-9070273.10	0.3780	0.2765
Mercury	-29501-06-18 18:28 J	-9053647.82	-9053647.73	-9053647.63	0.3781	0.1707
Mercury	-29497-06-18 12:28 J	-9052187.05	-9052186.98	-9052186.91	0.3594	0.3022
Mercury	-29495-01-02 11:59 J	-9051624.10	-9051624.00	-9051623.89	0.3780	0.1016
Mercury	-29491-01-02 13:40 J	-9050163.05	-9050162.93	-9050162.80	0.3595	0.1374
Mercury	-29450-07-10 23:02 J	-9034998.58	-9034998.54	-9034998.49	0.3781	0.3365
Mercury	-29444-01-23 16:33 J	-9032974.92	-9032974.81	-9032974.71	0.3781	0.0731
Mercury	-29440-01-23 12:28 J	-9031514.10	-9031513.98	-9031513.85	0.3595	0.1419
Mercury	-29439-08-09 10:04 J	-9030951.17	-9030951.08	-9030950.99	0.3780	0.2013
Mercury	-29435-08-09 13:40 J	-9029490.01	-9029489.93	-9029489.85	0.3595	0.2894
Mercury	-29393-02-14 20:52 J	-9014325.71	-9014325.63	-9014325.55	0.3781	0.2406
Mercury	-29388-08-30 14:23 J	-9012302.01	-9012301.90	-9012301.79	0.3780	0.0278
Mercury	-29384-08-30 12:28 J	-9010841.12	-9010840.98	-9010840.84	0.3595	0.0148
Mercury	-29382-03-16 07:55 J	-9010278.23	-9010278.17	-9010278.11	0.3780	0.3010
Mercury	-29337-09-20 18:43 J	-8993652.82	-8993652.72	-8993652.62	0.3780	0.1433
Mercury	-29333-09-20 11:02 J	-8992192.13	-8992192.04	-8992191.95	0.3595	0.2708
Mercury	-29331-04-06 12:14 J	-8991629.09	-8991628.99	-8991628.89	0.3780	0.1260
Mercury	-29327-04-06 12:28 J	-8990168.10	-8990167.98	-8990167.86	0.3595	0.1699
Mercury	-29286-10-12 23:16 J	-8975003.59	-8975003.53	-8975003.47	0.3781	0.3098

Mercury	-29280-04-27 16:33 J	-8972979.91	-8972979.81	-8972979.70	0.3780	0.0470
Mercury	-29276-04-27 11:16 J	-8971519.16	-8971519.03	-8971518.90	0.3595	0.1098
Mercury	-29275-11-11 10:04 J	-8970956.16	-8970956.08	-8970955.99	0.3780	0.2271
Mercury	-29271-11-11 12:28 J	-8969495.03	-8969494.98	-8969494.92	0.3595	0.3253
Mercury	-29229-05-18 21:07 J	-8954330.71	-8954330.62	-8954330.53	0.3780	0.2127
Mercury	-29224-12-02 14:38 J	-8952307.00	-8952306.89	-8952306.79	0.3780	0.0559
Mercury	-29220-12-02 11:16 J	-8950846.17	-8950846.03	-8950845.89	0.3595	0.0498
Mercury	-29218-06-18 08:09 J	-8950283.21	-8950283.16	-8950283.11	0.3779	0.3277
Mercury	-29178-06-10 01:40 J	-8935681.43	-8935681.43	-8935681.43	0.3780	0.3773
Mercury	-29173-12-23 18:57 J	-8933657.81	-8933657.71	-8933657.61	0.3780	0.1153
Mercury	-29169-12-23 09:50 J	-8932197.19	-8932197.09	-8932196.98	0.3595	0.2360
Mercury	-29167-07-09 12:28 J	-8931634.08	-8931633.98	-8931633.88	0.3780	0.1536
Mercury	-29163-07-09 11:31 J	-8930173.14	-8930173.02	-8930172.91	0.3595	0.2074
Mercury	-29121-01-14 23:31 J	-8915008.59	-8915008.52	-8915008.45	0.3780	0.2812
Mercury	-29116-07-30 16:47 J	-8912984.90	-8912984.80	-8912984.69	0.3780	0.0202
Mercury	-29112-07-30 10:04 J	-8911524.22	-8911524.08	-8911523.95	0.3595	0.0764
Mercury	-29110-02-13 10:19 J	-8910961.15	-8910961.07	-8910960.99	0.3780	0.2528
Mercury	-29065-08-20 21:21 J	-8894335.70	-8894335.61	-8894335.52	0.3780	0.1853
Mercury	-29059-03-06 14:38 J	-8892311.99	-8892311.89	-8892311.78	0.3780	0.0795
Mercury	-29055-03-06 10:04 J	-8890851.21	-8890851.08	-8890850.94	0.3595	0.0839
Mercury	-29054-09-20 08:09 J	-8890288.19	-8890288.16	-8890288.12	0.3779	0.3536
Mercury	-29014-09-12 01:55 J	-8875686.46	-8875686.42	-8875686.38	0.3780	0.3494
Mercury	-29008-03-27 19:11 J	-8873662.80	-8873662.70	-8873662.60	0.3780	0.0892
Mercury	-29004-03-27 08:23 J	-8872202.26	-8872202.15	-8872202.03	0.3595	0.2059
Mercury	-29003-10-11 12:28 J	-8871639.07	-8871638.98	-8871638.88	0.3780	0.1795

29TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 29th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-28999-10-11 10:04 J	-8870178.18	-8870178.08	-8870177.97	0.3596	0.2412		
Mercury	-28957-04-17 23:45 J	-8855013.59	-8855013.51	-8855013.43	0.3780	0.2541		
Mercury	-28952-11-01 17:02 J	-8852989.90	-8852989.79	-8852989.68	0.3780	0.0081		
Mercury	-28948-11-01 08:38 J	-8851529.28	-8851529.14	-8851529.00	0.3595	0.0430		
Mercury	-28946-05-18 10:33 J	-8850966.13	-8850966.06	-8850965.99	0.3779	0.2794		
Mercury	-28901-11-22 21:35 J	-8834340.70	-8834340.60	-8834340.50	0.3780	0.1582		
Mercury	-28897-11-22 06:57 J	-8832880.26	-8832880.21	-8832880.16	0.3595	0.3374		
Mercury	-28895-06-08 14:52 J	-8832316.98	-8832316.88	-8832316.78	0.3779	0.1070		
Mercury	-28891-06-08 08:52 J	-8830856.26	-8830856.13	-8830856.00	0.3595	0.1190		
Mercury	-28850-12-15 02:09 J	-8815691.46	-8815691.41	-8815691.35	0.3780	0.3214		
Mercury	-28844-06-29 19:26 J	-8813667.80	-8813667.69	-8813667.59	0.3779	0.0620		
Mercury	-28840-06-29 07:11 J	-8812207.32	-8812207.20	-8812207.08	0.3595	0.1716		
Mercury	-28838-01-13 12:43 J	-8811644.06	-8811643.97	-8811643.88	0.3779	0.2063		
Mercury	-28834-01-13 09:07 J	-8810183.21	-8810183.12	-8810183.04	0.3596	0.2773		
Mercury	-28793-07-20 23:59 J	-8795018.58	-8795018.50	-8795018.41	0.3780	0.2267		
Mercury	-28787-02-03 17:16 J	-8792994.89	-8792994.78	-8792994.67	0.3780	0.0354		
Mercury	-28783-02-03 07:26 J	-8791534.33	-8791534.19	-8791534.05	0.3596	0.0082		
Mercury	-28782-08-20 10:47 J	-8790971.11	-8790971.05	-8790970.99	0.3779	0.3058		
Mercury	-28736-02-24 21:50 J	-8774345.69	-8774345.59	-8774345.49	0.3780	0.1324		
Mercury	-28732-02-24 05:31 J	-8772885.34	-8772885.27	-8772885.20	0.3596	0.3054		
Mercury	-28731-09-10 15:07 J	-8772321.97	-8772321.87	-8772321.77	0.3779	0.1333		
Mercury	-28727-09-10 07:26 J	-8770861.31	-8770861.19	-8770861.06	0.3596	0.1512		

Mercury	-28685-03-18 02:23 J	-8755696.46	-8755696.40	-8755696.33	0.3779	0.2958
Mercury	-28680-10-01 19:40 J	-8753672.79	-8753672.68	-8753672.57	0.3779	0.0358
Mercury	-28676-10-01 05:45 J	-8752212.39	-8752212.26	-8752212.13	0.3596	0.1402
Mercury	-28674-04-17 12:57 J	-8751649.04	-8751648.96	-8751648.87	0.3779	0.2314
Mercury	-28670-04-17 07:40 J	-8750188.25	-8750188.18	-8750188.11	0.3596	0.3091
Mercury	-28629-10-23 00:14 J	-8735023.58	-8735023.49	-8735023.40	0.3779	0.2008
Mercury	-28623-05-08 17:31 J	-8732999.88	-8732999.77	-8732999.66	0.3779	0.0624
Mercury	-28619-05-08 05:59 J	-8731539.39	-8731539.25	-8731539.11	0.3596	0.0252
Mercury	-28618-11-22 10:47 J	-8730976.10	-8730976.05	-8730976.00	0.3779	0.3305
Mercury	-28578-11-14 05:02 J	-8716374.32	-8716374.29	-8716374.27	0.3779	0.3619
Mercury	-28572-05-29 22:04 J	-8714350.68	-8714350.58	-8714350.48	0.3779	0.1051
Mercury	-28568-05-29 04:04 J	-8712890.42	-8712890.33	-8712890.24	0.3596	0.2738
Mercury	-28567-12-13 15:21 J	-8712326.96	-8712326.86	-8712326.76	0.3779	0.1598
Mercury	-28563-12-13 06:14 J	-8710866.36	-8710866.24	-8710866.12	0.3596	0.1857
Mercury	-28521-06-20 02:52 J	-8695701.46	-8695701.38	-8695701.31	0.3779	0.2680
Mercury	-28515-01-03 19:55 J	-8693677.78	-8693677.67	-8693677.56	0.3779	0.0087
Mercury	-28511-01-03 04:33 J	-8692217.45	-8692217.31	-8692217.18	0.3596	0.1060
Mercury	-28510-07-20 13:11 J	-8691654.03	-8691653.95	-8691653.87	0.3779	0.2579
Mercury	-28506-07-20 06:28 J	-8690193.27	-8690193.23	-8690193.19	0.3596	0.3448
Mercury	-28464-01-25 00:28 J	-8675028.57	-8675028.48	-8675028.38	0.3779	0.1735
Mercury	-28459-08-10 17:45 J	-8673004.86	-8673004.76	-8673004.66	0.3779	0.0888
Mercury	-28455-08-10 04:47 J	-8671544.44	-8671544.30	-8671544.16	0.3596	0.0574
Mercury	-28453-02-24 11:02 J	-8670981.07	-8670981.04	-8670981.01	0.3779	0.3553
Mercury	-28413-02-16 05:16 J	-8656379.33	-8656379.28	-8656379.23	0.3779	0.3350
Mercury	-28408-08-31 22:19 J	-8654355.67	-8654355.57	-8654355.46	0.3779	0.0781
Mercury	-28404-08-31 02:38 J	-8652895.49	-8652895.39	-8652895.29	0.3596	0.2440
Mercury	-28402-03-17 15:35 J	-8652331.95	-8652331.85	-8652331.76	0.3779	0.1844
Mercury	-28398-03-17 05:02 J	-8650871.41	-8650871.29	-8650871.18	0.3596	0.2184
Mercury	-28357-09-22 03:07 J	-8635706.45	-8635706.37	-8635706.29	0.3779	0.2412
Mercury	-28351-04-07 20:09 J	-8633682.77	-8633682.66	-8633682.55	0.3779	0.0176

Mercury	-28347-04-07 02:52 J	-8632222.51	-8632222.38	-8632222.24	0.3596	0.0779
Mercury	-28346-10-22 13:26 J	-8631659.01	-8631658.94	-8631658.87	0.3778	0.2821
Mercury	-28300-04-29 00:57 J	-8615033.56	-8615033.46	-8615033.37	0.3779	0.1471
Mercury	-28295-11-12 17:59 J	-8613009.85	-8613009.75	-8613009.65	0.3778	0.1137
Mercury	-28291-11-12 03:21 J	-8611549.50	-8611549.36	-8611549.22	0.3596	0.0887
Mercury	-28249-05-20 05:31 J	-8596384.33	-8596384.27	-8596384.21	0.3779	0.3074
Mercury	-28244-12-03 22:33 J	-8594360.66	-8594360.56	-8594360.45	0.3778	0.0522
Mercury	-28240-12-03 01:11 J	-8592900.56	-8592900.45	-8592900.33	0.3596	0.2123
Mercury	-28238-06-19 15:50 J	-8592336.93	-8592336.84	-8592336.75	0.3778	0.2108
Mercury	-28234-06-19 03:35 J	-8590876.45	-8590876.35	-8590876.25	0.3596	0.2522
Mercury	-28193-12-25 03:21 J	-8575711.45	-8575711.36	-8575711.27	0.3778	0.2133
Mercury	-28187-07-10 20:23 J	-8573687.75	-8573687.65	-8573687.54	0.3778	0.0445
Mercury	-28183-07-10 01:40 J	-8572227.57	-8572227.43	-8572227.29	0.3597	0.0439
Mercury	-28181-01-24 13:40 J	-8571663.99	-8571663.93	-8571663.87	0.3778	0.3086
Mercury	-28141-01-16 08:09 J	-8557062.17	-8557062.16	-8557062.15	0.3778	0.3729
Mercury	-28136-08-01 01:11 J	-8555038.55	-8555038.45	-8555038.35	0.3778	0.1191
Mercury	-28132-07-30 23:16 J	-8553578.55	-8553578.53	-8553578.50	0.3597	0.3524
Mercury	-28130-02-14 18:14 J	-8553014.84	-8553014.74	-8553014.64	0.3778	0.1398
Mercury	-28126-02-14 01:55 J	-8551554.55	-8551554.42	-8551554.28	0.3597	0.1220
Mercury	-28085-08-22 05:59 J	-8536389.32	-8536389.25	-8536389.18	0.3778	0.2806
Mercury	-28079-03-07 22:47 J	-8534365.65	-8534365.55	-8534365.44	0.3778	0.0277
Mercury	-28075-03-06 23:45 J	-8532905.63	-8532905.51	-8532905.39	0.3597	0.1819
Mercury	-28074-09-21 16:04 J	-8532341.91	-8532341.83	-8532341.75	0.3778	0.2363
Mercury	-28070-09-21 02:09 J	-8530881.49	-8530881.41	-8530881.32	0.3597	0.2833
Mercury	-28028-03-29 03:35 J	-8515716.44	-8515716.35	-8515716.26	0.3778	0.1879
Mercury	-28023-10-12 20:38 J	-8513692.74	-8513692.64	-8513692.53	0.3778	0.0695
Mercury	-28019-10-12 00:14 J	-8512232.64	-8512232.49	-8512232.35	0.3597	0.0179
Mercury	-28017-04-27 13:55 J	-8511668.97	-8511668.92	-8511668.87	0.3778	0.3341

28TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 28th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-27977-04-19 08:23 J	-8497067.19	-8497067.15	-8497067.11	0.3778	0.3463		
Mercury	-27972-11-03 01:26 J	-8495043.54	-8495043.44	-8495043.34	0.3778	0.0942		
Mercury	-27968-11-01 21:50 J	-8493583.65	-8493583.59	-8493583.53	0.3597	0.3238		
Mercury	-27966-05-19 18:28 J	-8493019.82	-8493019.73	-8493019.63	0.3778	0.1658		
Mercury	-27962-05-19 00:28 J	-8491559.61	-8491559.48	-8491559.35	0.3597	0.1529		
Mercury	-27921-11-24 06:14 J	-8476394.32	-8476394.24	-8476394.16	0.3778	0.2538		
Mercury	-27915-06-09 23:16 J	-8474370.64	-8474370.53	-8474370.43	0.3778	0.0127		
Mercury	-27911-06-08 22:19 J	-8472910.70	-8472910.57	-8472910.44	0.3597	0.1509		
Mercury	-27910-12-24 16:19 J	-8472346.89	-8472346.82	-8472346.74	0.3778	0.2628		
Mercury	-27906-12-24 00:57 J	-8470886.53	-8470886.46	-8470886.40	0.3597	0.3181		
Mercury	-27864-07-01 04:04 J	-8455721.43	-8455721.33	-8455721.24	0.3778	0.1612		
Mercury	-27858-01-14 20:52 J	-8453697.73	-8453697.63	-8453697.52	0.3778	0.0974		
Mercury	-27854-01-13 22:47 J	-8452237.70	-8452237.55	-8452237.41	0.3597	0.0208		
Mercury	-27853-07-30 14:09 J	-8451673.94	-8451673.91	-8451673.88	0.3778	0.3596		
Mercury	-27813-07-22 08:52 J	-8437072.19	-8437072.13	-8437072.08	0.3777	0.3191		
Mercury	-27807-02-05 01:40 J	-8435048.53	-8435048.43	-8435048.32	0.3778	0.0677		
Mercury	-27803-02-03 20:09 J	-8433588.74	-8433588.66	-8433588.57	0.3597	0.2931		
Mercury	-27802-08-21 18:43 J	-8433024.81	-8433024.72	-8433024.63	0.3778	0.1921		
Mercury	-27798-08-20 23:02 J	-8431564.66	-8431564.54	-8431564.42	0.3597	0.1841		
Mercury	-27756-02-26 06:28 J	-8416399.31	-8416399.23	-8416399.15	0.3777	0.2279		

Mercury	-27751-09-11 23:31 J	-8414375.63	-8414375.52	-8414375.42	0.3778	0.0272
Mercury	-27747-09-10 20:38 J	-8412915.77	-8412915.64	-8412915.50	0.3597	0.1232
Mercury	-27745-03-27 16:33 J	-8412351.88	-8412351.81	-8412351.74	0.3777	0.2866
Mercury	-27741-03-26 23:16 J	-8410891.56	-8410891.53	-8410891.49	0.3597	0.3490
Mercury	-27700-10-03 04:19 J	-8395726.42	-8395726.32	-8395726.22	0.3777	0.1351
Mercury	-27694-04-18 21:21 J	-8393702.72	-8393702.61	-8393702.51	0.3777	0.1221
Mercury	-27690-04-17 21:07 J	-8392242.76	-8392242.62	-8392242.48	0.3597	0.0466
Mercury	-27649-10-24 09:07 J	-8377077.18	-8377077.12	-8377077.05	0.3777	0.2935
Mercury	-27643-05-10 02:09 J	-8375053.52	-8375053.41	-8375053.31	0.3777	0.0438
Mercury	-27639-05-08 18:28 J	-8373593.82	-8373593.73	-8373593.63	0.3598	0.2661
Mercury	-27638-11-23 18:57 J	-8373029.79	-8373029.71	-8373029.62	0.3777	0.2171
Mercury	-27634-11-22 21:35 J	-8371569.71	-8371569.60	-8371569.49	0.3598	0.2157
Mercury	-27592-05-31 06:57 J	-8356404.30	-8356404.21	-8356404.12	0.3777	0.2011
Mercury	-27587-12-14 23:45 J	-8354380.61	-8354380.51	-8354380.40	0.3777	0.0532
Mercury	-27583-12-13 19:11 J	-8352920.84	-8352920.70	-8352920.56	0.3598	0.0929
Mercury	-27581-06-29 16:47 J	-8352356.86	-8352356.80	-8352356.74	0.3777	0.3122
Mercury	-27541-06-21 11:45 J	-8337755.04	-8337755.01	-8337754.98	0.3777	0.3577
Mercury	-27535-01-05 04:33 J	-8335731.41	-8335731.31	-8335731.21	0.3777	0.1085
Mercury	-27530-07-21 21:35 J	-8333707.70	-8333707.60	-8333707.50	0.3777	0.1475
Mercury	-27526-07-20 19:40 J	-8332247.82	-8332247.68	-8332247.54	0.3598	0.0793
Mercury	-27484-01-26 09:35 J	-8317082.18	-8317082.10	-8317082.03	0.3777	0.2664
Mercury	-27479-08-12 02:23 J	-8315058.51	-8315058.40	-8315058.30	0.3777	0.0151
Mercury	-27475-08-10 17:02 J	-8313598.90	-8313598.79	-8313598.69	0.3598	0.2379
Mercury	-27473-02-25 19:11 J	-8313034.78	-8313034.70	-8313034.61	0.3777	0.2420
Mercury	-27469-02-24 20:09 J	-8311574.76	-8311574.66	-8311574.56	0.3598	0.2477
Mercury	-27428-09-02 07:11 J	-8296409.29	-8296409.20	-8296409.11	0.3777	0.1747
Mercury	-27422-03-18 23:59 J	-8294385.60	-8294385.50	-8294385.39	0.3777	0.0775
Mercury	-27418-03-17 17:31 J	-8292925.91	-8292925.77	-8292925.63	0.3598	0.0637
Mercury	-27417-10-01 17:02 J	-8292361.83	-8292361.79	-8292361.74	0.3777	0.3370
Mercury	-27377-09-23 12:14 J	-8277760.04	-8277759.99	-8277759.95	0.3776	0.3311

Mercury	-27371-04-09 05:02 J	-8275736.40	-8275736.29	-8275736.19	0.3776	0.0843
Mercury	-27366-10-23 21:50 J	-8273712.68	-8273712.59	-8273712.50	0.3777	0.1717
Mercury	-27362-10-22 17:59 J	-8272252.88	-8272252.75	-8272252.61	0.3598	0.1084
Mercury	-27320-04-30 09:50 J	-8257087.17	-8257087.09	-8257087.01	0.3776	0.2399
Mercury	-27315-11-14 02:38 J	-8255063.49	-8255063.39	-8255063.28	0.3776	0.0101
Mercury	-27311-11-12 15:21 J	-8253603.98	-8253603.86	-8253603.75	0.3598	0.2100
Mercury	-27309-05-29 19:40 J	-8253039.76	-8253039.68	-8253039.61	0.3777	0.2670
Mercury	-27305-05-28 18:28 J	-8251579.82	-8251579.73	-8251579.64	0.3598	0.2784
Mercury	-27264-12-05 07:40 J	-8236414.28	-8236414.18	-8236414.09	0.3776	0.1488
Mercury	-27258-06-21 00:28 J	-8234390.58	-8234390.48	-8234390.38	0.3776	0.1038
Mercury	-27254-06-19 16:04 J	-8232930.98	-8232930.83	-8232930.69	0.3598	0.0344
Mercury	-27252-01-03 17:31 J	-8232366.80	-8232366.77	-8232366.75	0.3776	0.3629
Mercury	-27213-12-26 12:28 J	-8217765.04	-8217764.98	-8217764.92	0.3776	0.3040
Mercury	-27207-07-12 05:16 J	-8215741.38	-8215741.28	-8215741.18	0.3776	0.0565
Mercury	-27203-07-10 12:57 J	-8214281.96	-8214281.96	-8214281.95	0.3599	0.3589
Mercury	-27201-01-25 22:04 J	-8213717.67	-8213717.58	-8213717.49	0.3776	0.1982
Mercury	-27197-01-24 16:33 J	-8212257.94	-8212257.81	-8212257.68	0.3598	0.1395
Mercury	-27156-08-02 10:19 J	-8197092.16	-8197092.07	-8197091.99	0.3776	0.2136
Mercury	-27150-02-16 03:07 J	-8195068.48	-8195068.37	-8195068.27	0.3776	0.0388
Mercury	-27146-02-14 13:40 J	-8193609.05	-8193608.93	-8193608.80	0.3599	0.1801
Mercury	-27145-08-31 19:55 J	-8193044.73	-8193044.67	-8193044.60	0.3776	0.2922
Mercury	-27141-08-30 17:02 J	-8191584.87	-8191584.79	-8191584.72	0.3599	0.3071
Mercury	-27105-08-23 15:21 J	-8178442.88	-8178442.86	-8178442.84	0.3775	0.3680
Mercury	-27099-03-09 07:55 J	-8176419.27	-8176419.17	-8176419.07	0.3776	0.1237
Mercury	-27094-09-23 00:43 J	-8174395.57	-8174395.47	-8174395.37	0.3776	0.1289
Mercury	-27090-09-21 14:09 J	-8172936.05	-8172935.91	-8172935.76	0.3599	0.0113
Mercury	-27048-03-30 12:57 J	-8157770.03	-8157769.96	-8157769.89	0.3775	0.2793
Mercury	-27043-10-14 05:31 J	-8155746.37	-8155746.27	-8155746.16	0.3776	0.0352
Mercury	-27039-10-12 11:16 J	-8154287.08	-8154287.03	-8154286.98	0.3599	0.3330
Mercury	-27037-04-28 22:33 J	-8153722.65	-8153722.56	-8153722.48	0.3776	0.2225

Mercury -27033-04-27 14:52 J -8152263.01 -8152262.88 -8152262.75 0.3599 0.1661

27TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 27th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-26992-11-04 10:33 J	-8137097.15	-8137097.06	-8137096.97	0.3775	0.1887		
Mercury	-26986-05-21 03:21 J	-8135073.46	-8135073.36	-8135073.26	0.3776	0.0618		
Mercury	-26982-05-19 11:59 J	-8133614.13	-8133614.00	-8133613.87	0.3599	0.1535		
Mercury	-26981-12-03 20:09 J	-8133049.71	-8133049.66	-8133049.60	0.3776	0.3167		
Mercury	-26977-12-02 15:21 J	-8131589.91	-8131589.86	-8131589.81	0.3599	0.3371		
Mercury	-26941-11-25 15:35 J	-8118447.89	-8118447.85	-8118447.81	0.3775	0.3421		
Mercury	-26935-06-11 08:23 J	-8116424.26	-8116424.15	-8116424.05	0.3775	0.0987		
Mercury	-26930-12-26 01:11 J	-8114400.55	-8114400.45	-8114400.36	0.3776	0.1550		
Mercury	-26926-12-24 12:43 J	-8112941.12	-8112940.97	-8112940.83	0.3599	0.0239		
Mercury	-26884-07-02 13:26 J	-8097775.02	-8097774.94	-8097774.87	0.3775	0.2528		
Mercury	-26878-01-16 05:59 J	-8095751.35	-8095751.25	-8095751.14	0.3775	0.0070		
Mercury	-26874-01-14 09:35 J	-8094292.18	-8094292.10	-8094292.02	0.3600	0.3043		
Mercury	-26873-07-31 22:47 J	-8093727.63	-8093727.55	-8093727.47	0.3775	0.2479		
Mercury	-26869-07-30 13:11 J	-8092268.07	-8092267.95	-8092267.83	0.3599	0.1963		
Mercury	-26827-02-06 11:02 J	-8077102.14	-8077102.04	-8077101.95	0.3775	0.1627		
Mercury	-26822-08-23 03:50 J	-8075078.45	-8075078.34	-8075078.24	0.3775	0.0882		
Mercury	-26818-08-21 10:19 J	-8073619.21	-8073619.07	-8073618.94	0.3600	0.1282		
Mercury	-26816-03-07 20:38 J	-8073054.69	-8073054.64	-8073054.60	0.3775	0.3403		

Mercury	-26776-02-27 16:04 J	-8058452.89	-8058452.83	-8058452.78	0.3774	0.3168
Mercury	-26771-09-13 08:38 J	-8056429.24	-8056429.14	-8056429.04	0.3775	0.0717
Mercury	-26765-03-29 01:26 J	-8054405.53	-8054405.44	-8054405.35	0.3775	0.1779
Mercury	-26761-03-27 10:47 J	-8052946.19	-8052946.05	-8052945.90	0.3600	0.0499
Mercury	-26720-10-04 13:40 J	-8037780.01	-8037779.93	-8037779.85	0.3774	0.2269
Mercury	-26714-04-20 06:14 J	-8035756.34	-8035756.24	-8035756.13	0.3775	0.0258
Mercury	-26710-04-18 07:40 J	-8034297.27	-8034297.18	-8034297.09	0.3600	0.2821
Mercury	-26709-11-02 23:02 J	-8033732.61	-8033732.54	-8033732.46	0.3775	0.2711
Mercury	-26705-11-01 11:31 J	-8032273.13	-8032273.02	-8032272.91	0.3600	0.2238
Mercury	-26663-05-11 11:16 J	-8017107.12	-8017107.03	-8017106.93	0.3774	0.1374
Mercury	-26658-11-25 04:04 J	-8015083.43	-8015083.33	-8015083.23	0.3775	0.1111
Mercury	-26654-11-23 08:23 J	-8013624.29	-8013624.15	-8013624.01	0.3600	0.1012
Mercury	-26652-06-09 20:52 J	-8013059.65	-8013059.63	-8013059.61	0.3775	0.3653
Mercury	-26612-06-01 16:33 J	-7998457.88	-7998457.81	-7998457.75	0.3774	0.2903
Mercury	-26607-12-16 09:07 J	-7996434.23	-7996434.12	-7996434.02	0.3774	0.0458
Mercury	-26601-07-01 01:40 J	-7994410.51	-7994410.43	-7994410.34	0.3775	0.2039
Mercury	-26597-06-29 09:07 J	-7992951.26	-7992951.12	-7992950.97	0.3600	0.0788
Mercury	-26555-01-06 14:09 J	-7977785.00	-7977784.91	-7977784.82	0.3774	0.2004
Mercury	-26550-07-23 06:43 J	-7975761.32	-7975761.22	-7975761.11	0.3774	0.0456
Mercury	-26546-07-21 05:59 J	-7974302.36	-7974302.25	-7974302.15	0.3601	0.2550
Mercury	-26544-02-04 23:31 J	-7973737.58	-7973737.52	-7973737.46	0.3775	0.2962
Mercury	-26540-02-03 09:50 J	-7972278.19	-7972278.09	-7972277.98	0.3600	0.2543
Mercury	-26504-01-27 19:11 J	-7959135.73	-7959135.70	-7959135.66	0.3773	0.3529
Mercury	-26499-08-13 11:45 J	-7957112.11	-7957112.01	-7957111.91	0.3774	0.1107
Mercury	-26493-02-27 04:19 J	-7955088.41	-7955088.32	-7955088.22	0.3774	0.1366
Mercury	-26489-02-25 06:43 J	-7953629.36	-7953629.22	-7953629.08	0.3601	0.0738
Mercury	-26448-09-03 16:47 J	-7938462.87	-7938462.80	-7938462.72	0.3774	0.2646
Mercury	-26442-03-20 09:21 J	-7936439.21	-7936439.11	-7936439.00	0.3774	0.0230
Mercury	-26437-10-03 02:09 J	-7934415.49	-7934415.41	-7934415.33	0.3774	0.2277
Mercury	-26433-10-01 07:26 J	-7932956.33	-7932956.19	-7932956.05	0.3600	0.1031

Mercury	-26391-04-10 14:23 J	-7917789.99	-7917789.90	-7917789.80	0.3773	0.1765
Mercury	-26386-10-25 07:11 J	-7915766.31	-7915766.20	-7915766.10	0.3774	0.0702
Mercury	-26382-10-23 04:04 J	-7914307.44	-7914307.33	-7914307.22	0.3601	0.2308
Mercury	-26380-05-09 23:45 J	-7913742.56	-7913742.51	-7913742.45	0.3774	0.3213
Mercury	-26376-05-08 08:09 J	-7912283.25	-7912283.16	-7912283.07	0.3600	0.2800
Mercury	-26340-05-01 19:40 J	-7899140.73	-7899140.68	-7899140.63	0.3773	0.3270
Mercury	-26335-11-15 12:14 J	-7897117.09	-7897116.99	-7897116.89	0.3773	0.0870
Mercury	-26329-05-31 04:47 J	-7895093.39	-7895093.30	-7895093.20	0.3774	0.1610
Mercury	-26325-05-29 04:47 J	-7893634.44	-7893634.30	-7893634.15	0.3601	0.0495
Mercury	-26284-12-06 17:16 J	-7878467.86	-7878467.78	-7878467.70	0.3773	0.2387
Mercury	-26278-06-22 09:50 J	-7876444.19	-7876444.09	-7876443.99	0.3773	0.0039
Mercury	-26272-01-05 02:38 J	-7874420.47	-7874420.39	-7874420.32	0.3774	0.2535
Mercury	-26268-01-03 05:45 J	-7872961.40	-7872961.26	-7872961.12	0.3601	0.1321
Mercury	-26227-07-13 14:52 J	-7857794.97	-7857794.88	-7857794.78	0.3773	0.1500
Mercury	-26221-01-27 07:26 J	-7855771.29	-7855771.19	-7855771.09	0.3774	0.0957
Mercury	-26217-01-25 02:09 J	-7854312.53	-7854312.41	-7854312.29	0.3602	0.2050
Mercury	-26216-08-12 00:14 J	-7853747.53	-7853747.49	-7853747.45	0.3774	0.3452
Mercury	-26212-08-10 06:28 J	-7852288.30	-7852288.23	-7852288.16	0.3601	0.3079
Mercury	-26176-08-03 20:09 J	-7839145.72	-7839145.66	-7839145.60	0.3772	0.3012
Mercury	-26170-02-17 12:28 J	-7837122.08	-7837121.98	-7837121.87	0.3773	0.0628
Mercury	-26165-09-02 05:16 J	-7835098.37	-7835098.28	-7835098.19	0.3774	0.1859
Mercury	-26161-08-31 03:07 J	-7833639.52	-7833639.37	-7833639.23	0.3602	0.0266
Mercury	-26119-03-10 17:45 J	-7818472.85	-7818472.76	-7818472.68	0.3772	0.2141
Mercury	-26114-09-24 10:19 J	-7816449.18	-7816449.07	-7816448.97	0.3773	0.0307
Mercury	-26108-04-09 02:52 J	-7814425.45	-7814425.38	-7814425.31	0.3773	0.2760
Mercury	-26104-04-07 03:50 J	-7812966.47	-7812966.34	-7812966.21	0.3602	0.1561
Mercury	-26068-03-31 22:47 J	-7799823.57	-7799823.55	-7799823.52	0.3772	0.3645
Mercury	-26063-10-15 15:21 J	-7797799.96	-7797799.86	-7797799.76	0.3772	0.1252
Mercury	-26057-04-30 07:55 J	-7795776.27	-7795776.17	-7795776.07	0.3773	0.1189
Mercury	-26053-04-28 00:14 J	-7794317.62	-7794317.49	-7794317.36	0.3602	0.1839

Mercury	-26052-11-14 00:28 J	-7793752.50	-7793752.48	-7793752.46	0.3773	0.3678
Mercury	-26048-11-12 04:33 J	-7792293.36	-7792293.31	-7792293.25	0.3601	0.3343
Mercury	-26012-11-05 20:38 J	-7779150.71	-7779150.64	-7779150.58	0.3772	0.2771
Mercury	-26006-05-22 12:57 J	-7777127.06	-7777126.96	-7777126.85	0.3772	0.0369
Mercury	-26001-12-05 05:31 J	-7775103.35	-7775103.27	-7775103.18	0.3773	0.2103

26TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 26th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-25997-12-03 01:11 J	-7773644.60	-7773644.45	-7773644.30	0.3602	0.0013		
Mercury	-25955-06-12 18:14 J	-7758477.83	-7758477.74	-7758477.65	0.3772	0.1884		
Mercury	-25950-12-27 10:33 J	-7756454.16	-7756454.06	-7756453.95	0.3772	0.0567		
Mercury	-25946-12-24 21:21 J	-7754995.65	-7754995.61	-7754995.57	0.3603	0.3457		
Mercury	-25944-07-12 03:21 J	-7754430.42	-7754430.36	-7754430.30	0.3773	0.3009		
Mercury	-25940-07-10 02:09 J	-7752971.54	-7752971.41	-7752971.29	0.3602	0.1836		
Mercury	-25904-07-03 23:16 J	-7739828.57	-7739828.53	-7739828.48	0.3771	0.3384		
Mercury	-25898-01-17 15:50 J	-7737804.94	-7737804.84	-7737804.74	0.3772	0.0993		
Mercury	-25893-08-02 08:23 J	-7735781.25	-7735781.15	-7735781.06	0.3772	0.1442		
Mercury	-25889-07-30 22:19 J	-7734322.70	-7734322.57	-7734322.43	0.3603	0.1582		
Mercury	-25847-02-07 20:52 J	-7719155.70	-7719155.63	-7719155.55	0.3771	0.2512		
Mercury	-25842-08-24 13:26 J	-7717132.04	-7717131.94	-7717131.84	0.3772	0.0108		
Mercury	-25836-03-09 05:59 J	-7715108.33	-7715108.25	-7715108.17	0.3773	0.2334		
Mercury	-25832-03-06 23:16 J	-7713649.67	-7713649.53	-7713649.38	0.3603	0.0272		

Mercury	-25791-09-14 18:43 J	-7698482.82	-7698482.72	-7698482.63	0.3771	0.1637
Mercury	-25785-03-30 11:02 J	-7696459.14	-7696459.04	-7696458.94	0.3772	0.0770
Mercury	-25781-03-27 19:26 J	-7695000.75	-7695000.69	-7695000.63	0.3603	0.3246
Mercury	-25780-10-14 03:35 J	-7694435.40	-7694435.35	-7694435.30	0.3773	0.3241
Mercury	-25776-10-12 00:14 J	-7692976.61	-7692976.49	-7692976.37	0.3602	0.2073
Mercury	-25740-10-05 23:45 J	-7679833.56	-7679833.51	-7679833.45	0.3771	0.3129
Mercury	-25734-04-21 16:19 J	-7677809.93	-7677809.82	-7677809.72	0.3771	0.0764
Mercury	-25729-11-04 08:38 J	-7675786.23	-7675786.14	-7675786.04	0.3772	0.1676
Mercury	-25725-11-01 20:23 J	-7674327.79	-7674327.65	-7674327.51	0.3603	0.1354
Mercury	-25683-05-12 21:21 J	-7659160.69	-7659160.61	-7659160.52	0.3771	0.2258
Mercury	-25678-11-26 13:55 J	-7657137.03	-7657136.92	-7657136.82	0.3771	0.0160
Mercury	-25672-06-11 06:28 J	-7655113.31	-7655113.23	-7655113.16	0.3772	0.2580
Mercury	-25668-06-08 21:21 J	-7653654.75	-7653654.61	-7653654.46	0.3603	0.0515
Mercury	-25632-06-03 02:38 J	-7640511.39	-7640511.39	-7640511.38	0.3770	0.3738
Mercury	-25627-12-17 19:11 J	-7638487.80	-7638487.70	-7638487.61	0.3771	0.1385
Mercury	-25621-07-02 11:31 J	-7636464.12	-7636464.02	-7636463.92	0.3771	0.1024
Mercury	-25617-06-29 17:31 J	-7635005.85	-7635005.77	-7635005.69	0.3604	0.3003
Mercury	-25615-01-16 04:04 J	-7634440.37	-7634440.33	-7634440.29	0.3772	0.3488
Mercury	-25611-01-13 22:19 J	-7632981.68	-7632981.57	-7632981.46	0.3603	0.2340
Mercury	-25575-01-08 00:14 J	-7619838.55	-7619838.49	-7619838.42	0.3770	0.2870
Mercury	-25570-07-24 16:47 J	-7617814.91	-7617814.80	-7617814.70	0.3771	0.0524
Mercury	-25564-02-06 09:07 J	-7615791.21	-7615791.12	-7615791.03	0.3772	0.1920
Mercury	-25560-02-03 18:28 J	-7614332.87	-7614332.73	-7614332.59	0.3604	0.1113
Mercury	-25519-08-14 21:50 J	-7599165.67	-7599165.59	-7599165.50	0.3770	0.2008
Mercury	-25513-02-28 14:23 J	-7597142.01	-7597141.90	-7597141.80	0.3771	0.0401
Mercury	-25508-09-13 06:43 J	-7595118.28	-7595118.22	-7595118.15	0.3772	0.2822
Mercury	-25504-09-10 19:26 J	-7593659.84	-7593659.69	-7593659.55	0.3604	0.0722
Mercury	-25468-09-05 03:07 J	-7580516.40	-7580516.37	-7580516.33	0.3770	0.3483
Mercury	-25462-03-21 19:26 J	-7578492.79	-7578492.69	-7578492.59	0.3770	0.1145
Mercury	-25457-10-04 11:59 J	-7576469.10	-7576469.00	-7576468.91	0.3771	0.1269

Mercury	-25453-10-01 15:21 J	-7575010.95	-7575010.86	-7575010.77	0.3604	0.2813
Mercury	-25451-04-20 04:19 J	-7574445.33	-7574445.32	-7574445.30	0.3771	0.3713
Mercury	-25447-04-17 20:23 J	-7572986.76	-7572986.65	-7572986.55	0.3603	0.2551
Mercury	-25411-04-12 00:43 J	-7559843.54	-7559843.47	-7559843.39	0.3769	0.2630
Mercury	-25406-10-26 17:02 J	-7557819.89	-7557819.79	-7557819.68	0.3770	0.0292
Mercury	-25400-05-11 09:35 J	-7555796.18	-7555796.10	-7555796.02	0.3771	0.2158
Mercury	-25396-05-08 16:19 J	-7554337.96	-7554337.82	-7554337.67	0.3604	0.0922
Mercury	-25355-11-16 22:19 J	-7539170.66	-7539170.57	-7539170.48	0.3770	0.1765
Mercury	-25349-06-01 14:52 J	-7537146.99	-7537146.88	-7537146.78	0.3770	0.0643
Mercury	-25344-12-16 07:11 J	-7535123.26	-7535123.20	-7535123.14	0.3771	0.3054
Mercury	-25340-12-13 17:31 J	-7533664.92	-7533664.77	-7533664.63	0.3604	0.0956
Mercury	-25304-12-08 03:35 J	-7520521.40	-7520521.35	-7520521.29	0.3769	0.3235
Mercury	-25298-06-23 19:55 J	-7518497.77	-7518497.67	-7518497.57	0.3770	0.0897
Mercury	-25292-01-06 12:28 J	-7516474.08	-7516473.98	-7516473.89	0.3770	0.1514
Mercury	-25288-01-03 13:11 J	-7515016.05	-7515015.95	-7515015.84	0.3605	0.2593
Mercury	-25283-07-20 18:28 J	-7512991.82	-7512991.73	-7512991.64	0.3604	0.2812
Mercury	-25247-07-15 01:11 J	-7499848.52	-7499848.45	-7499848.37	0.3769	0.2377
Mercury	-25241-01-28 17:31 J	-7497824.87	-7497824.77	-7497824.66	0.3770	0.0154
Mercury	-25236-08-13 10:04 J	-7495801.16	-7495801.08	-7495801.00	0.3770	0.2400
Mercury	-25232-08-10 14:23 J	-7494343.05	-7494342.90	-7494342.75	0.3605	0.0695
Mercury	-25190-02-18 22:47 J	-7479175.64	-7479175.55	-7479175.45	0.3769	0.1517
Mercury	-25185-09-03 15:07 J	-7477151.97	-7477151.87	-7477151.76	0.3770	0.0882
Mercury	-25179-03-20 07:40 J	-7475128.23	-7475128.18	-7475128.13	0.3771	0.3277
Mercury	-25175-03-17 15:21 J	-7473670.00	-7473669.86	-7473669.71	0.3605	0.1190
Mercury	-25139-03-12 04:04 J	-7460526.39	-7460526.33	-7460526.26	0.3768	0.2994
Mercury	-25134-09-25 20:23 J	-7458502.75	-7458502.65	-7458502.55	0.3769	0.0653
Mercury	-25128-04-10 12:43 J	-7456479.06	-7456478.97	-7456478.87	0.3770	0.1739
Mercury	-25124-04-07 11:02 J	-7455021.15	-7455021.04	-7455020.93	0.3605	0.2411
Mercury	-25119-10-22 16:33 J	-7452996.89	-7452996.81	-7452996.73	0.3604	0.3041
Mercury	-25083-10-17 01:40 J	-7439853.51	-7439853.43	-7439853.34	0.3768	0.2134

Mercury	-25077-05-01 17:59 J	-7437829.85	-7437829.75	-7437829.64	0.3769	0.0243
Mercury	-25072-11-15 10:19 J	-7435806.14	-7435806.07	-7435805.99	0.3770	0.2625
Mercury	-25068-11-12 12:14 J	-7434348.14	-7434347.99	-7434347.84	0.3605	0.0494
Mercury	-25032-11-07 07:11 J	-7421204.23	-7421204.20	-7421204.18	0.3768	0.3595
Mercury	-25026-05-23 23:16 J	-7419180.62	-7419180.53	-7419180.43	0.3769	0.1273
Mercury	-25021-12-06 15:35 J	-7417156.95	-7417156.85	-7417156.75	0.3769	0.1106
Mercury	-25015-06-22 08:09 J	-7415133.20	-7415133.16	-7415133.13	0.3770	0.3517
Mercury	-25011-06-19 13:26 J	-7413675.07	-7413674.94	-7413674.80	0.3605	0.1422

25TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 25th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-24975-06-14 04:47 J	-7400531.37	-7400531.30	-7400531.23	0.3768	0.2737		
Mercury	-24970-12-28 20:52 J	-7398507.73	-7398507.63	-7398507.52	0.3769	0.0419		
Mercury	-24964-07-13 13:11 J	-7396484.03	-7396483.95	-7396483.86	0.3769	0.1983		
Mercury	-24960-07-10 09:07 J	-7395026.24	-7395026.12	-7395026.00	0.3606	0.2194		
Mercury	-24954-01-24 14:38 J	-7393001.95	-7393001.89	-7393001.83	0.3605	0.3289		
Mercury	-24918-01-19 02:23 J	-7379858.49	-7379858.40	-7379858.32	0.3768	0.1883		
Mercury	-24913-08-03 18:28 J	-7377834.83	-7377834.73	-7377834.62	0.3769	0.0489		
Mercury	-24907-02-17 10:47 J	-7375811.11	-7375811.05	-7375810.98	0.3770	0.2865		
Mercury	-24903-02-14 10:19 J	-7374353.22	-7374353.07	-7374352.92	0.3606	0.0264		
Mercury	-24867-02-09 07:40 J	-7361209.23	-7361209.18	-7361209.14	0.3767	0.3339		
Mercury	-24862-08-25 23:59 J	-7359185.60	-7359185.50	-7359185.41	0.3768	0.1031		

Mercury	-24856-03-10 16:04 J	-7357161.92	-7357161.83	-7357161.73	0.3769	0.1335
Mercury	-24851-09-24 08:38 J	-7355138.15	-7355138.14	-7355138.14	0.3770	0.3752
Mercury	-24847-09-21 11:16 J	-7353680.16	-7353680.03	-7353679.89	0.3606	0.1613
Mercury	-24811-09-16 05:16 J	-7340536.36	-7340536.28	-7340536.21	0.3767	0.2492
Mercury	-24805-03-31 21:21 J	-7338512.71	-7338512.61	-7338512.51	0.3768	0.0179
Mercury	-24800-10-15 13:40 J	-7336489.01	-7336488.93	-7336488.84	0.3769	0.2209
Mercury	-24796-10-12 06:43 J	-7335031.34	-7335031.22	-7335031.09	0.3607	0.2025
Mercury	-24790-04-28 12:28 J	-7333007.02	-7333006.98	-7333006.95	0.3605	0.3474
Mercury	-24754-04-23 02:52 J	-7319863.48	-7319863.38	-7319863.29	0.3767	0.1649
Mercury	-24749-11-05 18:57 J	-7317839.81	-7317839.71	-7317839.61	0.3768	0.0703
Mercury	-24743-05-22 11:16 J	-7315816.08	-7315816.03	-7315815.97	0.3769	0.3101
Mercury	-24739-05-19 08:09 J	-7314358.31	-7314358.16	-7314358.01	0.3606	0.0090
Mercury	-24703-05-14 08:09 J	-7301214.22	-7301214.16	-7301214.10	0.3766	0.3090
Mercury	-24698-11-28 00:14 J	-7299190.59	-7299190.49	-7299190.39	0.3767	0.0798
Mercury	-24692-06-12 16:33 J	-7297166.90	-7297166.81	-7297166.71	0.3768	0.1576
Mercury	-24683-12-24 09:21 J	-7293685.24	-7293685.11	-7293684.98	0.3606	0.1829
Mercury	-24647-12-19 05:45 J	-7280541.34	-7280541.26	-7280541.18	0.3766	0.2242
Mercury	-24641-07-03 21:50 J	-7278517.69	-7278517.59	-7278517.48	0.3767	0.0156
Mercury	-24635-01-17 14:09 J	-7276493.98	-7276493.91	-7276493.83	0.3768	0.2455
Mercury	-24631-01-14 04:47 J	-7275036.43	-7275036.30	-7275036.17	0.3607	0.1808
Mercury	-24595-01-09 11:16 J	-7261892.05	-7261892.03	-7261892.02	0.3766	0.3683
Mercury	-24590-07-26 03:21 J	-7259868.46	-7259868.36	-7259868.27	0.3767	0.1393
Mercury	-24584-02-07 19:26 J	-7257844.79	-7257844.69	-7257844.59	0.3768	0.0949
Mercury	-24579-08-24 11:45 J	-7255821.05	-7255821.01	-7255820.96	0.3768	0.3332
Mercury	-24575-08-21 05:59 J	-7254363.40	-7254363.25	-7254363.10	0.3607	0.0127
Mercury	-24539-08-16 08:38 J	-7241219.20	-7241219.14	-7241219.07	0.3766	0.2848
Mercury	-24533-03-01 00:57 J	-7239195.57	-7239195.46	-7239195.36	0.3767	0.0572
Mercury	-24528-09-14 17:02 J	-7237171.88	-7237171.79	-7237171.70	0.3768	0.1812
Mercury	-24518-03-28 07:11 J	-7233690.32	-7233690.20	-7233690.08	0.3607	0.2031
Mercury	-24482-03-23 06:14 J	-7220546.33	-7220546.24	-7220546.15	0.3766	0.2009

Mercury	-24477-10-05 22:19 J	-7218522.67	-7218522.57	-7218522.46	0.3767	0.0350
Mercury	-24471-04-21 14:38 J	-7216498.96	-7216498.89	-7216498.82	0.3768	0.2673
Mercury	-24467-04-18 02:23 J	-7215041.53	-7215041.40	-7215041.26	0.3608	0.1656
Mercury	-24431-04-13 11:45 J	-7201897.05	-7201897.01	-7201896.98	0.3765	0.3451
Mercury	-24426-10-28 03:50 J	-7199873.44	-7199873.34	-7199873.24	0.3766	0.1161
Mercury	-24420-05-12 19:55 J	-7197849.76	-7197849.67	-7197849.57	0.3767	0.1182
Mercury	-24415-11-26 12:14 J	-7195826.02	-7195825.99	-7195825.96	0.3768	0.3545
Mercury	-24411-11-23 03:50 J	-7194368.49	-7194368.34	-7194368.19	0.3608	0.0312
Mercury	-24375-11-18 09:07 J	-7181224.19	-7181224.12	-7181224.04	0.3765	0.2616
Mercury	-24369-06-03 01:26 J	-7179200.54	-7179200.44	-7179200.34	0.3766	0.0313
Mercury	-24364-12-17 17:31 J	-7177176.85	-7177176.77	-7177176.68	0.3767	0.2045
Mercury	-24360-12-13 22:47 J	-7175719.59	-7175719.55	-7175719.51	0.3609	0.3461
Mercury	-24354-06-30 05:02 J	-7173695.41	-7173695.29	-7173695.17	0.3607	0.2241
Mercury	-24318-06-25 06:43 J	-7160551.31	-7160551.22	-7160551.13	0.3765	0.1765
Mercury	-24312-01-07 23:02 J	-7158527.65	-7158527.54	-7158527.44	0.3766	0.0568
Mercury	-24307-07-24 15:07 J	-7156503.93	-7156503.87	-7156503.80	0.3767	0.2908
Mercury	-24303-07-21 00:14 J	-7155046.63	-7155046.49	-7155046.35	0.3608	0.1465
Mercury	-24267-07-16 12:14 J	-7141902.04	-7141901.99	-7141901.94	0.3764	0.3198
Mercury	-24261-01-30 04:19 J	-7139878.42	-7139878.32	-7139878.22	0.3766	0.0916
Mercury	-24256-08-14 20:38 J	-7137854.74	-7137854.64	-7137854.55	0.3766	0.1420
Mercury	-24246-02-25 01:40 J	-7134373.58	-7134373.43	-7134373.28	0.3608	0.0504
Mercury	-24210-02-20 09:50 J	-7121229.17	-7121229.09	-7121229.01	0.3765	0.2364
Mercury	-24205-09-05 01:55 J	-7119205.52	-7119205.42	-7119205.32	0.3766	0.0067
Mercury	-24199-03-21 17:59 J	-7117181.83	-7117181.75	-7117181.67	0.3767	0.2266
Mercury	-24195-03-17 20:38 J	-7115724.70	-7115724.64	-7115724.58	0.3609	0.3293
Mercury	-24190-10-02 02:52 J	-7113700.49	-7113700.38	-7113700.27	0.3608	0.2407
Mercury	-24154-09-27 07:26 J	-7100556.29	-7100556.19	-7100556.10	0.3765	0.1532
Mercury	-24148-04-11 23:31 J	-7098532.62	-7098532.52	-7098532.42	0.3766	0.0787
Mercury	-24143-10-26 15:35 J	-7096508.90	-7096508.85	-7096508.79	0.3767	0.3128
Mercury	-24139-10-22 21:50 J	-7095051.73	-7095051.59	-7095051.44	0.3609	0.1311

Mercury	-24103-10-18 12:43 J	-7081907.03	-7081906.97	-7081906.91	0.3764	0.2962
Mercury	-24097-05-03 04:47 J	-7079883.40	-7079883.30	-7079883.20	0.3765	0.0688
Mercury	-24092-11-16 20:52 J	-7077859.72	-7077859.63	-7077859.53	0.3766	0.1643
Mercury	-24082-05-29 23:16 J	-7074378.68	-7074378.53	-7074378.38	0.3609	0.0660
Mercury	-24046-05-25 10:19 J	-7061234.15	-7061234.07	-7061233.99	0.3764	0.2121
Mercury	-24041-12-08 02:23 J	-7059210.50	-7059210.40	-7059210.30	0.3765	0.0162
Mercury	-24035-06-23 18:28 J	-7057186.80	-7057186.73	-7057186.65	0.3766	0.2502
Mercury	-24031-06-19 18:14 J	-7055729.81	-7055729.74	-7055729.67	0.3610	0.3131
Mercury	-24025-01-04 00:43 J	-7053705.58	-7053705.47	-7053705.37	0.3609	0.2610

24TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 24th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-23995-06-15 15:50 J	-7042584.87	-7042584.84	-7042584.81	0.3763	0.3543		
Mercury	-23990-12-30 07:55 J	-7040561.27	-7040561.17	-7040561.07	0.3764	0.1280		
Mercury	-23984-07-14 23:59 J	-7038537.60	-7038537.50	-7038537.40	0.3765	0.1016		
Mercury	-23978-01-28 16:04 J	-7036513.87	-7036513.83	-7036513.78	0.3766	0.3367		
Mercury	-23974-01-24 19:40 J	-7035056.82	-7035056.68	-7035056.53	0.3610	0.1123		
Mercury	-23938-01-20 13:26 J	-7021912.01	-7021911.94	-7021911.87	0.3763	0.2710		
Mercury	-23933-08-05 05:31 J	-7019888.38	-7019888.27	-7019888.17	0.3764	0.0466		
Mercury	-23927-02-18 21:35 J	-7017864.69	-7017864.60	-7017864.51	0.3765	0.1871		
Mercury	-23918-08-31 20:52 J	-7014383.77	-7014383.63	-7014383.48	0.3610	0.0829		
Mercury	-23882-08-27 10:47 J	-7001239.13	-7001239.05	-7001238.96	0.3763	0.1889		

Mercury	-23876-03-12 02:52 J	-6999215.48	-6999215.38	-6999215.28	0.3765	0.0400
Mercury	-23871-09-25 19:11 J	-6997191.77	-6997191.70	-6997191.63	0.3766	0.2726
Mercury	-23867-09-21 15:50 J	-6995734.92	-6995734.84	-6995734.76	0.3611	0.3016
Mercury	-23861-04-06 22:19 J	-6993710.66	-6993710.57	-6993710.47	0.3609	0.2784
Mercury	-23831-09-17 16:19 J	-6982589.86	-6982589.82	-6982589.77	0.3762	0.3305
Mercury	-23825-04-02 08:23 J	-6980566.25	-6980566.15	-6980566.05	0.3763	0.1059
Mercury	-23820-10-17 00:28 J	-6978542.58	-6978542.48	-6978542.38	0.3765	0.1243
Mercury	-23814-05-02 16:33 J	-6976518.84	-6976518.81	-6976518.78	0.3765	0.3576
Mercury	-23810-04-28 17:16 J	-6975061.93	-6975061.78	-6975061.64	0.3610	0.1012
Mercury	-23774-04-24 13:55 J	-6961917.00	-6961916.92	-6961916.84	0.3762	0.2482
Mercury	-23769-11-07 05:59 J	-6959893.36	-6959893.25	-6959893.15	0.3764	0.0239
Mercury	-23763-05-23 22:04 J	-6957869.66	-6957869.58	-6957869.50	0.3765	0.2097
Mercury	-23754-12-03 18:43 J	-6954388.87	-6954388.72	-6954388.57	0.3610	0.0996
Mercury	-23718-11-29 11:31 J	-6941244.11	-6941244.02	-6941243.93	0.3763	0.1657
Mercury	-23712-06-14 03:35 J	-6939220.46	-6939220.35	-6939220.25	0.3764	0.0647
Mercury	-23707-12-28 19:40 J	-6937196.74	-6937196.68	-6937196.62	0.3765	0.2952
Mercury	-23703-12-24 13:26 J	-6935740.03	-6935739.94	-6935739.85	0.3611	0.2865
Mercury	-23697-07-09 20:09 J	-6933715.74	-6933715.66	-6933715.57	0.3610	0.2977
Mercury	-23667-12-20 17:02 J	-6922594.85	-6922594.79	-6922594.73	0.3762	0.3061
Mercury	-23661-07-05 08:52 J	-6920571.23	-6920571.13	-6920571.03	0.3763	0.0828
Mercury	-23655-01-19 00:57 J	-6918547.55	-6918547.46	-6918547.36	0.3764	0.1484
Mercury	-23646-07-31 14:52 J	-6915067.03	-6915066.88	-6915066.73	0.3611	0.0838
Mercury	-23610-07-27 14:23 J	-6901921.98	-6901921.90	-6901921.81	0.3762	0.2245
Mercury	-23604-02-09 06:28 J	-6899898.33	-6899898.23	-6899898.13	0.3763	0.0053
Mercury	-23599-08-25 22:33 J	-6897874.64	-6897874.56	-6897874.48	0.3764	0.2326
Mercury	-23589-03-06 16:33 J	-6894393.96	-6894393.81	-6894393.67	0.3611	0.1174
Mercury	-23559-08-17 20:09 J	-6883272.68	-6883272.66	-6883272.64	0.3761	0.3640
Mercury	-23553-03-02 11:59 J	-6881249.09	-6881249.00	-6881248.91	0.3762	0.1418
Mercury	-23548-09-16 04:04 J	-6879225.43	-6879225.33	-6879225.23	0.3763	0.0862
Mercury	-23542-04-01 20:09 J	-6877201.72	-6877201.66	-6877201.61	0.3764	0.3161

Mercury	-23538-03-28	11:02 J	-6875745.14	-6875745.04	-6875744.94	0.3612	0.2734
Mercury	-23533-10-11	17:45 J	-6873720.83	-6873720.76	-6873720.68	0.3610	0.3121
Mercury	-23502-03-24	17:31 J	-6862599.83	-6862599.77	-6862599.70	0.3761	0.2834
Mercury	-23497-10-07	09:35 J	-6860576.20	-6860576.10	-6860576.00	0.3762	0.0593
Mercury	-23491-04-23	01:26 J	-6858552.53	-6858552.44	-6858552.34	0.3763	0.1699
Mercury	-23482-11-02	12:28 J	-6855072.13	-6855071.98	-6855071.83	0.3612	0.0694
Mercury	-23446-10-29	15:07 J	-6841926.96	-6841926.87	-6841926.79	0.3761	0.2012
Mercury	-23440-05-14	06:57 J	-6839903.31	-6839903.21	-6839903.10	0.3762	0.0284
Mercury	-23435-11-27	23:02 J	-6837879.61	-6837879.54	-6837879.46	0.3763	0.2538
Mercury	-23425-06-08	14:09 J	-6834399.06	-6834398.91	-6834398.77	0.3611	0.1318
Mercury	-23395-11-19	20:38 J	-6823277.68	-6823277.64	-6823277.60	0.3760	0.3414
Mercury	-23389-06-04	12:28 J	-6821254.07	-6821253.98	-6821253.88	0.3761	0.1193
Mercury	-23384-12-19	04:33 J	-6819230.41	-6819230.31	-6819230.21	0.3762	0.1085
Mercury	-23378-07-04	20:38 J	-6817206.68	-6817206.64	-6817206.60	0.3764	0.3388
Mercury	-23374-06-30	08:38 J	-6815750.25	-6815750.14	-6815750.04	0.3613	0.2584
Mercury	-23368-01-13	15:35 J	-6813725.91	-6813725.85	-6813725.79	0.3611	0.3298
Mercury	-23338-06-26	18:14 J	-6802604.82	-6802604.74	-6802604.67	0.3760	0.2593
Mercury	-23332-01-09	10:04 J	-6800581.18	-6800581.08	-6800580.98	0.3762	0.0353
Mercury	-23327-07-26	02:09 J	-6798557.50	-6798557.41	-6798557.32	0.3763	0.1925
Mercury	-23317-02-04	10:19 J	-6795077.23	-6795077.07	-6795076.92	0.3612	0.0540
Mercury	-23281-01-31	15:35 J	-6781931.94	-6781931.85	-6781931.76	0.3761	0.1773
Mercury	-23276-08-16	07:40 J	-6779908.28	-6779908.18	-6779908.08	0.3762	0.0486
Mercury	-23270-03-01	23:45 J	-6777884.58	-6777884.51	-6777884.45	0.3763	0.2767
Mercury	-23261-09-10	11:31 J	-6774404.16	-6774404.02	-6774403.88	0.3612	0.1451
Mercury	-23230-02-21	21:21 J	-6763282.67	-6763282.61	-6763282.56	0.3760	0.3175
Mercury	-23225-09-06	13:11 J	-6761259.05	-6761258.95	-6761258.85	0.3761	0.0946
Mercury	-23219-03-23	05:02 J	-6759235.38	-6759235.29	-6759235.19	0.3762	0.1309
Mercury	-23214-10-06	21:07 J	-6757211.64	-6757211.62	-6757211.59	0.3763	0.3613
Mercury	-23210-10-02	05:59 J	-6755755.36	-6755755.25	-6755755.14	0.3613	0.2486
Mercury	-23204-04-17	13:11 J	-6753731.00	-6753730.95	-6753730.91	0.3612	0.3431

Mercury	-23174-09-28 18:43 J	-6742609.80	-6742609.72	-6742609.64	0.3760	0.2359
Mercury	-23168-04-13 10:33 J	-6740586.16	-6740586.06	-6740585.96	0.3761	0.0168
Mercury	-23163-10-28 02:38 J	-6738562.47	-6738562.39	-6738562.31	0.3762	0.2139
Mercury	-23153-05-08 07:40 J	-6735082.34	-6735082.18	-6735082.03	0.3613	0.0458
Mercury	-23123-10-20 00:28 J	-6723960.49	-6723960.48	-6723960.48	0.3759	0.3754
Mercury	-23117-05-04 16:19 J	-6721936.92	-6721936.82	-6721936.73	0.3760	0.1550
Mercury	-23112-11-18 08:09 J	-6719913.26	-6719913.16	-6719913.06	0.3761	0.0697
Mercury	-23106-06-04 00:14 J	-6717889.55	-6717889.49	-6717889.43	0.3762	0.2987
Mercury	-23097-12-13 09:07 J	-6714409.25	-6714409.12	-6714408.98	0.3613	0.1588
Mercury	-23066-05-26 21:50 J	-6703287.65	-6703287.59	-6703287.53	0.3759	0.2935
Mercury	-23061-12-09 13:40 J	-6701264.03	-6701263.93	-6701263.83	0.3760	0.0725
Mercury	-23055-06-25 05:45 J	-6699240.36	-6699240.26	-6699240.17	0.3761	0.1535
Mercury	-23045-01-04 03:36 J	-6695760.47	-6695760.35	-6695760.24	0.3614	0.2360
Mercury	-23040-07-20 10:48 J	-6693736.06	-6693736.05	-6693736.04	0.3613	0.3601
Mercury	-23010-12-31 19:26 J	-6682614.78	-6682614.69	-6682614.61	0.3759	0.2122
Mercury	-23004-07-16 11:16 J	-6680591.13	-6680591.03	-6680590.93	0.3760	0.0109

23RD MILLENNIUM BCE

This is a list of transits visible from Venus in the 23rd millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-22998-01-30 03:21 J	-6678567.44	-6678567.36	-6678567.29	0.3762	0.2376		
Mercury	-22989-08-10 05:16 J	-6675087.44	-6675087.28	-6675087.13	0.3614	0.0311		
Mercury	-22958-01-22 00:57 J	-6663965.49	-6663965.46	-6663965.42	0.3758	0.3508		

Mercury	-22953-08-06 16:48 J	-6661941.89	-6661941.80	-6661941.70	0.3759	0.1308
Mercury	-22947-02-20 08:38 J	-6659918.23	-6659918.14	-6659918.04	0.3761	0.0943
Mercury	-22942-09-06 00:43 J	-6657894.52	-6657894.47	-6657894.42	0.3762	0.3209
Mercury	-22932-03-17 06:43 J	-6654414.35	-6654414.22	-6654414.08	0.3614	0.1728
Mercury	-22902-08-28 22:33 J	-6643292.63	-6643292.56	-6643292.49	0.3758	0.2705
Mercury	-22896-03-13 14:23 J	-6641269.00	-6641268.90	-6641268.80	0.3760	0.0518
Mercury	-22891-09-27 06:14 J	-6639245.33	-6639245.24	-6639245.15	0.3761	0.1754
Mercury	-22881-04-07 00:57 J	-6635765.58	-6635765.46	-6635765.34	0.3615	0.2267
Mercury	-22845-04-03 19:55 J	-6622619.76	-6622619.67	-6622619.58	0.3758	0.1901
Mercury	-22840-10-18 11:45 J	-6620596.11	-6620596.01	-6620595.91	0.3760	0.0336
Mercury	-22834-05-04 03:50 J	-6618572.42	-6618572.34	-6618572.27	0.3761	0.2583
Mercury	-22825-11-12 02:38 J	-6615092.54	-6615092.39	-6615092.24	0.3614	0.0191
Mercury	-22794-04-26 01:40 J	-6603970.48	-6603970.43	-6603970.39	0.3757	0.3287
Mercury	-22789-11-08 17:31 J	-6601946.87	-6601946.77	-6601946.68	0.3759	0.1097
Mercury	-22783-05-25 09:21 J	-6599923.21	-6599923.11	-6599923.01	0.3760	0.1152
Mercury	-22778-12-09 01:11 J	-6597899.49	-6597899.45	-6597899.41	0.3761	0.3418
Mercury	-22768-06-19 04:19 J	-6594419.45	-6594419.32	-6594419.19	0.3614	0.1865
Mercury	-22738-11-30 23:02 J	-6583297.61	-6583297.54	-6583297.46	0.3757	0.2478
Mercury	-22732-06-15 14:52 J	-6581273.98	-6581273.88	-6581273.78	0.3759	0.0280
Mercury	-22727-12-30 06:57 J	-6579250.30	-6579250.21	-6579250.13	0.3760	0.1983
Mercury	-22717-07-09 22:19 J	-6575770.69	-6575770.57	-6575770.44	0.3616	0.2145
Mercury	-22681-07-06 20:38 J	-6562624.73	-6562624.64	-6562624.55	0.3758	0.1670
Mercury	-22675-01-20 12:28 J	-6560601.08	-6560600.98	-6560600.88	0.3759	0.0559
Mercury	-22670-08-06 04:19 J	-6558577.38	-6558577.32	-6558577.25	0.3760	0.2805
Mercury	-22660-02-14 00:14 J	-6555097.65	-6555097.49	-6555097.34	0.3615	0.0097
Mercury	-22630-07-29 02:09 J	-6543975.46	-6543975.41	-6543975.35	0.3756	0.3049
Mercury	-22624-02-10 18:00 J	-6541951.85	-6541951.75	-6541951.65	0.3758	0.0858
Mercury	-22619-08-27 09:50 J	-6539928.18	-6539928.09	-6539927.99	0.3759	0.1384
Mercury	-22613-03-12 01:55 J	-6537904.44	-6537904.42	-6537904.40	0.3761	0.3629
Mercury	-22604-09-21 01:40 J	-6534424.56	-6534424.43	-6534424.30	0.3615	0.1965

Mercury	-22573-03-03 23:45 J	-6523302.59	-6523302.51	-6523302.43	0.3757	0.2248
Mercury	-22568-09-17 15:36 J	-6521278.95	-6521278.85	-6521278.75	0.3758	0.0110
Mercury	-22562-04-03 07:26 J	-6519255.27	-6519255.19	-6519255.11	0.3759	0.2188
Mercury	-22553-10-11 19:40 J	-6515775.81	-6515775.68	-6515775.55	0.3616	0.2077
Mercury	-22522-03-26 05:16 J	-6504653.30	-6504653.28	-6504653.25	0.3756	0.3624
Mercury	-22517-10-08 21:07 J	-6502629.71	-6502629.62	-6502629.52	0.3757	0.1441
Mercury	-22511-04-24 12:57 J	-6500606.06	-6500605.96	-6500605.86	0.3758	0.0764
Mercury	-22506-11-08 04:48 J	-6498582.35	-6498582.30	-6498582.24	0.3760	0.3016
Mercury	-22496-05-18 21:21 J	-6495102.76	-6495102.61	-6495102.45	0.3616	0.0111
Mercury	-22466-10-31 02:52 J	-6483980.45	-6483980.38	-6483980.32	0.3756	0.2821
Mercury	-22460-05-15 18:43 J	-6481956.82	-6481956.72	-6481956.62	0.3757	0.0643
Mercury	-22455-11-29 10:33 J	-6479933.15	-6479933.06	-6479932.97	0.3759	0.1588
Mercury	-22440-12-23 23:16 J	-6474429.66	-6474429.53	-6474429.41	0.3616	0.2078
Mercury	-22409-06-06 00:14 J	-6463307.57	-6463307.49	-6463307.40	0.3756	0.2018
Mercury	-22404-12-20 16:04 J	-6461283.93	-6461283.83	-6461283.73	0.3757	0.0184
Mercury	-22398-07-06 07:55 J	-6459260.24	-6459260.17	-6459260.09	0.3759	0.2410
Mercury	-22388-01-13 17:02 J	-6455780.92	-6455780.79	-6455780.66	0.3617	0.1974
Mercury	-22358-06-28 06:00 J	-6444658.29	-6444658.25	-6444658.21	0.3755	0.3385
Mercury	-22352-01-10 21:50 J	-6442634.69	-6442634.59	-6442634.49	0.3756	0.1207
Mercury	-22347-07-27 13:40 J	-6440611.03	-6440610.93	-6440610.83	0.3758	0.0997
Mercury	-22341-02-10 05:31 J	-6438587.32	-6438587.27	-6438587.22	0.3759	0.3234
Mercury	-22332-08-20 18:57 J	-6435107.87	-6435107.71	-6435107.56	0.3617	0.0128
Mercury	-22301-02-02 03:36 J	-6423985.43	-6423985.35	-6423985.28	0.3755	0.2587
Mercury	-22296-08-17 19:11 J	-6421961.80	-6421961.70	-6421961.60	0.3757	0.0417
Mercury	-22290-03-03 11:02 J	-6419938.13	-6419938.04	-6419937.95	0.3758	0.1810
Mercury	-22275-03-27 20:38 J	-6414434.76	-6414434.64	-6414434.52	0.3616	0.2194
Mercury	-22245-09-08 00:57 J	-6403312.55	-6403312.46	-6403312.37	0.3756	0.1788
Mercury	-22239-03-24 16:48 J	-6401288.90	-6401288.80	-6401288.70	0.3757	0.0411
Mercury	-22234-10-08 08:38 J	-6399265.21	-6399265.14	-6399265.07	0.3758	0.2623
Mercury	-22224-04-17 14:23 J	-6395786.03	-6395785.90	-6395785.77	0.3618	0.1906

Mercury	-22194-09-30 06:43 J	-6384663.27	-6384663.22	-6384663.17	0.3754	0.3156
Mercury	-22188-04-14 22:19 J	-6382639.67	-6382639.57	-6382639.47	0.3756	0.1001
Mercury	-22183-10-29 14:09 J	-6380616.00	-6380615.91	-6380615.81	0.3757	0.1207
Mercury	-22177-05-14 06:00 J	-6378592.29	-6378592.25	-6378592.21	0.3758	0.3437
Mercury	-22168-11-22 16:19 J	-6375112.98	-6375112.82	-6375112.67	0.3617	0.0214
Mercury	-22137-05-06 04:04 J	-6363990.41	-6363990.33	-6363990.25	0.3754	0.2367
Mercury	-22132-11-19 19:55 J	-6361966.77	-6361966.67	-6361966.57	0.3756	0.0214
Mercury	-22126-06-05 11:45 J	-6359943.10	-6359943.01	-6359942.93	0.3757	0.2024
Mercury	-22111-06-29 18:14 J	-6354439.86	-6354439.74	-6354439.62	0.3617	0.2306
Mercury	-22086-05-28 09:50 J	-6345341.10	-6345341.09	-6345341.08	0.3753	0.3714
Mercury	-22081-12-11 01:40 J	-6343317.53	-6343317.43	-6343317.34	0.3755	0.1575
Mercury	-22075-06-26 17:16 J	-6341293.88	-6341293.78	-6341293.68	0.3756	0.0632
Mercury	-22069-01-10 09:07 J	-6339270.18	-6339270.12	-6339270.05	0.3757	0.2845
Mercury	-22060-07-20 11:45 J	-6335791.14	-6335791.01	-6335790.87	0.3619	0.1805
Mercury	-22029-01-02 07:26 J	-6324668.26	-6324668.19	-6324668.13	0.3753	0.2926
Mercury	-22024-07-17 23:02 J	-6322644.64	-6322644.54	-6322644.44	0.3755	0.0768
Mercury	-22018-01-31 14:52 J	-6320620.97	-6320620.88	-6320620.79	0.3756	0.1431
Mercury	-22013-08-16 06:43 J	-6318597.24	-6318597.22	-6318597.20	0.3758	0.3652
Mercury	-22003-02-24 13:40 J	-6315118.09	-6315117.93	-6315117.77	0.3618	0.0309

22ND MILLENNIUM BCE

This is a list of transits visible from Venus in the 22nd millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
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Mercury	-21973-08-08 04:48 J	-6303995.38	-6303995.30	-6303995.22	0.3754	0.2136
Mercury	-21967-02-21 20:23 J	-6301971.75	-6301971.65	-6301971.54	0.3755	0.0160
Mercury	-21962-09-07 12:14 J	-6299948.07	-6299947.99	-6299947.91	0.3757	0.2243
Mercury	-21947-10-01 15:21 J	-6294444.98	-6294444.86	-6294444.74	0.3618	0.2356
Mercury	-21922-08-30 10:33 J	-6285346.09	-6285346.06	-6285346.03	0.3753	0.3486
Mercury	-21916-03-15 02:09 J	-6283322.50	-6283322.41	-6283322.31	0.3754	0.1350
Mercury	-21911-09-28 18:00 J	-6281298.85	-6281298.75	-6281298.65	0.3756	0.0837
Mercury	-21905-04-13 09:50 J	-6279275.15	-6279275.09	-6279275.04	0.3757	0.3037
Mercury	-21896-10-22 08:52 J	-6275796.26	-6275796.13	-6275795.99	0.3619	0.1769
Mercury	-21865-04-05 07:55 J	-6264673.24	-6264673.17	-6264673.10	0.3753	0.2710
Mercury	-21860-10-19 23:45 J	-6262649.61	-6262649.51	-6262649.41	0.3754	0.0565
Mercury	-21854-05-05 15:21 J	-6260625.95	-6260625.86	-6260625.77	0.3756	0.1637
Mercury	-21839-05-29 10:48 J	-6255123.20	-6255123.05	-6255122.89	0.3619	0.0366
Mercury	-21809-11-10 05:16 J	-6244000.36	-6244000.28	-6244000.19	0.3753	0.1925
Mercury	-21803-05-26 21:07 J	-6241976.72	-6241976.62	-6241976.52	0.3755	0.0255
Mercury	-21798-12-10 12:57 J	-6239953.04	-6239952.96	-6239952.89	0.3756	0.2443
Mercury	-21782-01-03 12:43 J	-6234450.08	-6234449.97	-6234449.85	0.3618	0.2451
Mercury	-21758-12-02 11:16 J	-6225351.08	-6225351.03	-6225350.99	0.3752	0.3273
Mercury	-21752-06-17 02:52 J	-6223327.48	-6223327.38	-6223327.28	0.3753	0.1124
Mercury	-21747-12-31 18:43 J	-6221303.82	-6221303.72	-6221303.63	0.3755	0.1064
Mercury	-21741-07-16 10:19 J	-6219280.11	-6219280.07	-6219280.02	0.3756	0.3255
Mercury	-21731-01-24 06:14 J	-6215801.38	-6215801.24	-6215801.10	0.3620	0.1688
Mercury	-21701-07-08 08:38 J	-6204678.22	-6204678.14	-6204678.07	0.3752	0.2480
Mercury	-21695-01-22 00:14 J	-6202654.59	-6202654.49	-6202654.39	0.3754	0.0353
Mercury	-21690-08-07 16:04 J	-6200630.92	-6200630.83	-6200630.74	0.3755	0.1852
Mercury	-21675-08-31 08:09 J	-6195128.32	-6195128.16	-6195128.01	0.3620	0.0420
Mercury	-21644-02-12 06:00 J	-6184005.34	-6184005.25	-6184005.16	0.3753	0.1695
Mercury	-21639-08-28 21:50 J	-6181981.69	-6181981.59	-6181981.49	0.3754	0.0477
Mercury	-21633-03-13 13:26 J	-6179958.01	-6179957.94	-6179957.87	0.3755	0.2656

Mercury	-21618-04-07 10:04 J	-6174455.19	-6174455.08	-6174454.97	0.3619	0.2537
Mercury	-21593-03-05 11:45 J	-6165356.06	-6165356.01	-6165355.95	0.3751	0.3045
Mercury	-21588-09-19 03:36 J	-6163332.45	-6163332.35	-6163332.26	0.3753	0.0908
Mercury	-21582-04-04 19:11 J	-6161308.79	-6161308.70	-6161308.60	0.3754	0.1257
Mercury	-21577-10-18 11:02 J	-6159285.08	-6159285.04	-6159285.00	0.3756	0.3462
Mercury	-21567-04-28 03:21 J	-6155806.50	-6155806.36	-6155806.22	0.3621	0.1667
Mercury	-21537-10-10 09:21 J	-6144683.19	-6144683.11	-6144683.03	0.3752	0.2263
Mercury	-21531-04-26 00:57 J	-6142659.56	-6142659.46	-6142659.36	0.3753	0.0132
Mercury	-21526-11-09 16:33 J	-6140635.89	-6140635.81	-6140635.72	0.3754	0.2062
Mercury	-21511-12-03 05:16 J	-6135133.43	-6135133.28	-6135133.12	0.3621	0.0491
Mercury	-21486-11-01 15:07 J	-6126033.90	-6126033.87	-6126033.85	0.3750	0.3603
Mercury	-21480-05-17 06:43 J	-6124010.31	-6124010.22	-6124010.13	0.3752	0.1477
Mercury	-21475-11-30 22:19 J	-6121986.67	-6121986.57	-6121986.47	0.3753	0.0682
Mercury	-21469-06-15 14:09 J	-6119962.97	-6119962.91	-6119962.85	0.3755	0.2865
Mercury	-21454-07-10 07:26 J	-6114460.30	-6114460.19	-6114460.08	0.3620	0.2625
Mercury	-21429-06-07 12:28 J	-6105361.04	-6105360.98	-6105360.91	0.3750	0.2817
Mercury	-21424-12-22 04:04 J	-6103337.43	-6103337.33	-6103337.23	0.3752	0.0694
Mercury	-21418-07-07 19:55 J	-6101313.77	-6101313.67	-6101313.58	0.3753	0.1475
Mercury	-21412-01-20 11:45 J	-6099290.03	-6099290.01	-6099290.00	0.3755	0.3674
Mercury	-21403-07-31 00:43 J	-6095811.61	-6095811.47	-6095811.33	0.3622	0.1603
Mercury	-21372-01-12 10:04 J	-6084688.17	-6084688.08	-6084688.00	0.3751	0.2039
Mercury	-21367-07-29 01:40 J	-6082664.53	-6082664.43	-6082664.33	0.3752	0.0143
Mercury	-21361-02-11 17:16 J	-6080640.86	-6080640.78	-6080640.70	0.3754	0.2277
Mercury	-21346-03-07 02:38 J	-6075138.54	-6075138.39	-6075138.23	0.3621	0.0575
Mercury	-21321-02-03 15:50 J	-6066038.88	-6066038.84	-6066038.80	0.3750	0.3370
Mercury	-21316-08-19 07:26 J	-6064015.29	-6064015.19	-6064015.10	0.3751	0.1251
Mercury	-21310-03-04 23:02 J	-6061991.64	-6061991.54	-6061991.44	0.3753	0.0892
Mercury	-21305-09-17 14:52 J	-6059967.94	-6059967.88	-6059967.83	0.3754	0.3075
Mercury	-21290-10-12 04:33 J	-6054465.42	-6054465.31	-6054465.20	0.3621	0.2653
Mercury	-21265-09-09 13:11 J	-6045366.02	-6045365.95	-6045365.88	0.3750	0.2596

Mercury	-21259-03-26 04:48 J	-6043342.40	-6043342.30	-6043342.20	0.3751	0.0478
Mercury	-21254-10-09 20:23 J	-6041318.74	-6041318.65	-6041318.56	0.3753	0.1687
Mercury	-21239-11-01 21:50 J	-6035816.74	-6035816.59	-6035816.45	0.3622	0.1581
Mercury	-21208-04-16 10:33 J	-6024693.15	-6024693.06	-6024692.97	0.3750	0.1827
Mercury	-21203-10-31 02:09 J	-6022669.51	-6022669.41	-6022669.31	0.3752	0.0333
Mercury	-21197-05-15 18:00 J	-6020645.83	-6020645.75	-6020645.68	0.3753	0.2475
Mercury	-21182-06-08 23:45 J	-6015143.66	-6015143.51	-6015143.35	0.3622	0.0589
Mercury	-21157-05-07 16:19 J	-6006043.87	-6006043.82	-6006043.76	0.3749	0.3161
Mercury	-21152-11-21 07:55 J	-6004020.26	-6004020.17	-6004020.07	0.3750	0.1054
Mercury	-21146-06-06 23:45 J	-6001996.61	-6001996.51	-6001996.42	0.3752	0.1107
Mercury	-21141-12-20 15:21 J	-5999972.90	-5999972.86	-5999972.81	0.3753	0.3273
Mercury	-21125-01-14 01:55 J	-5994470.53	-5994470.42	-5994470.32	0.3621	0.2722
Mercury	-21101-12-12 13:55 J	-5985371.00	-5985370.92	-5985370.85	0.3749	0.2383
Mercury	-21095-06-28 05:31 J	-5983347.37	-5983347.27	-5983347.17	0.3751	0.0260
Mercury	-21089-01-11 21:07 J	-5981323.70	-5981323.62	-5981323.53	0.3752	0.1898
Mercury	-21074-02-03 18:57 J	-5975821.85	-5975821.71	-5975821.56	0.3623	0.1511
Mercury	-21049-01-03 19:40 J	-5966721.69	-5966721.68	-5966721.67	0.3748	0.3700
Mercury	-21044-07-19 11:16 J	-5964698.12	-5964698.03	-5964697.94	0.3749	0.1602
Mercury	-21038-02-02 02:52 J	-5962674.48	-5962674.38	-5962674.28	0.3751	0.0534
Mercury	-21033-08-17 18:43 J	-5960650.79	-5960650.72	-5960650.66	0.3752	0.2689
Mercury	-21018-09-10 20:52 J	-5955148.78	-5955148.63	-5955148.47	0.3623	0.0612

21ST MILLENNIUM BCE

This is a list of transits visible from Venus in the 21st millennium BCE.

PLANET	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
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TRANSIT

TIME

Mercury	-20993-08-09 17:02 J	-5946048.85	-5946048.79	-5946048.73	0.3748	0.2936
Mercury	-20987-02-23 08:38 J	-5944025.24	-5944025.14	-5944025.04	0.3750	0.0833
Mercury	-20982-09-09 00:28 J	-5942001.58	-5942001.48	-5942001.39	0.3751	0.1322
Mercury	-20976-03-24 16:04 J	-5939977.87	-5939977.83	-5939977.80	0.3753	0.3469
Mercury	-20961-04-16 23:02 J	-5934475.64	-5934475.54	-5934475.44	0.3622	0.2755
Mercury	-20936-03-16 14:38 J	-5925375.98	-5925375.89	-5925375.81	0.3748	0.2171
Mercury	-20931-09-30 06:14 J	-5923352.35	-5923352.24	-5923352.14	0.3750	0.0153
Mercury	-20925-04-14 21:50 J	-5921328.68	-5921328.59	-5921328.51	0.3751	0.2093
Mercury	-20910-05-08 15:50 J	-5915826.98	-5915826.84	-5915826.69	0.3624	0.1538
Mercury	-20885-04-06 20:23 J	-5906726.68	-5906726.65	-5906726.62	0.3747	0.3490
Mercury	-20880-10-21 12:00 J	-5904703.10	-5904703.00	-5904702.91	0.3749	0.1389
Mercury	-20874-05-07 03:36 J	-5902679.45	-5902679.35	-5902679.25	0.3750	0.0732
Mercury	-20869-11-19 19:11 J	-5900655.76	-5900655.70	-5900655.63	0.3752	0.2881
Mercury	-20854-12-13 18:00 J	-5895153.90	-5895153.75	-5895153.59	0.3624	0.0657
Mercury	-20829-11-11 17:45 J	-5886053.83	-5886053.76	-5886053.69	0.3747	0.2721
Mercury	-20823-05-28 09:21 J	-5884030.21	-5884030.11	-5884030.01	0.3749	0.0614
Mercury	-20818-12-12 00:57 J	-5882006.55	-5882006.46	-5882006.37	0.3750	0.1516
Mercury	-20812-06-26 16:48 J	-5879982.82	-5879982.80	-5879982.79	0.3752	0.3678
Mercury	-20797-07-19 20:09 J	-5874480.76	-5874480.66	-5874480.56	0.3623	0.2813
Mercury	-20772-06-18 15:07 J	-5865380.95	-5865380.87	-5865380.78	0.3748	0.1952
Mercury	-20766-01-02 06:43 J	-5863357.32	-5863357.22	-5863357.12	0.3749	0.0204
Mercury	-20761-07-17 22:33 J	-5861333.64	-5861333.56	-5861333.49	0.3751	0.2304
Mercury	-20746-08-10 12:57 J	-5855832.10	-5855831.96	-5855831.81	0.3625	0.1506
Mercury	-20721-07-09 21:07 J	-5846731.67	-5846731.62	-5846731.57	0.3746	0.3267
Mercury	-20715-01-23 12:43 J	-5844708.07	-5844707.97	-5844707.88	0.3748	0.1172
Mercury	-20710-08-09 04:19 J	-5842684.42	-5842684.32	-5842684.23	0.3750	0.0949
Mercury	-20704-02-21 19:55 J	-5840660.73	-5840660.67	-5840660.61	0.3751	0.3087
Mercury	-20689-03-16 15:07 J	-5835159.02	-5835158.87	-5835158.71	0.3625	0.0694

Mercury	-20664-02-13 18:28 J	-5826058.80	-5826058.73	-5826058.65	0.3747	0.2497
Mercury	-20659-08-30 10:04 J	-5824035.18	-5824035.08	-5824034.98	0.3748	0.0398
Mercury	-20653-03-15 01:40 J	-5822011.52	-5822011.43	-5822011.34	0.3750	0.1722
Mercury	-20633-10-21 17:16 J	-5814485.88	-5814485.78	-5814485.68	0.3624	0.2821
Mercury	-20608-09-20 15:50 J	-5805385.92	-5805385.84	-5805385.75	0.3747	0.1736
Mercury	-20602-04-06 07:26 J	-5803362.29	-5803362.19	-5803362.09	0.3749	0.0368
Mercury	-20597-10-19 23:02 J	-5801338.61	-5801338.54	-5801338.46	0.3750	0.2505
Mercury	-20582-11-12 10:04 J	-5795837.23	-5795837.08	-5795836.94	0.3626	0.1499
Mercury	-20557-10-11 21:50 J	-5786736.65	-5786736.59	-5786736.54	0.3746	0.3050
Mercury	-20551-04-27 13:11 J	-5784713.04	-5784712.95	-5784712.85	0.3747	0.0980
Mercury	-20546-11-11 04:48 J	-5782689.39	-5782689.30	-5782689.20	0.3749	0.1153
Mercury	-20540-05-26 20:38 J	-5780665.69	-5780665.64	-5780665.60	0.3750	0.3284
Mercury	-20525-06-18 12:14 J	-5775164.15	-5775163.99	-5775163.83	0.3625	0.0686
Mercury	-20500-05-18 19:11 J	-5766063.78	-5766063.70	-5766063.62	0.3746	0.2290
Mercury	-20495-12-02 10:48 J	-5764040.15	-5764040.05	-5764039.95	0.3748	0.0233
Mercury	-20489-06-17 02:23 J	-5762016.49	-5762016.40	-5762016.32	0.3749	0.1926
Mercury	-20468-01-23 14:23 J	-5754490.99	-5754490.90	-5754490.80	0.3625	0.2865
Mercury	-20449-06-09 01:11 J	-5747414.48	-5747414.45	-5747414.43	0.3745	0.3594
Mercury	-20444-12-23 16:33 J	-5745390.90	-5745390.81	-5745390.72	0.3746	0.1523
Mercury	-20438-07-09 08:09 J	-5743367.26	-5743367.16	-5743367.06	0.3748	0.0579
Mercury	-20432-01-21 23:45 J	-5741343.58	-5741343.51	-5741343.44	0.3749	0.2709
Mercury	-20417-02-14 07:11 J	-5735842.35	-5735842.20	-5735842.06	0.3627	0.1477
Mercury	-20392-01-13 22:33 J	-5726741.63	-5726741.56	-5726741.50	0.3745	0.2828
Mercury	-20387-07-30 13:55 J	-5724718.01	-5724717.92	-5724717.82	0.3746	0.0768
Mercury	-20381-02-13 05:31 J	-5722694.36	-5722694.27	-5722694.17	0.3748	0.1364
Mercury	-20376-08-28 21:21 J	-5720670.65	-5720670.61	-5720670.58	0.3750	0.3489
Mercury	-20361-09-20 09:07 J	-5715169.27	-5715169.12	-5715168.96	0.3626	0.0695
Mercury	-20336-08-20 19:55 J	-5706068.75	-5706068.67	-5706068.59	0.3745	0.2070
Mercury	-20330-03-06 11:31 J	-5704045.12	-5704045.02	-5704044.92	0.3747	0.0126
Mercury	-20325-09-19 03:07 J	-5702021.46	-5702021.37	-5702021.29	0.3749	0.2132

Mercury	-20304-04-27 11:31 J	-5694496.12	-5694496.02	-5694495.93	0.3626	0.2861
Mercury	-20285-09-11 01:55 J	-5687419.46	-5687419.42	-5687419.38	0.3744	0.3378
Mercury	-20279-03-27 17:16 J	-5685395.87	-5685395.78	-5685395.69	0.3746	0.1317
Mercury	-20274-10-11 08:52 J	-5683372.23	-5683372.13	-5683372.03	0.3747	0.0784
Mercury	-20268-04-26 00:28 J	-5681348.55	-5681348.48	-5681348.42	0.3749	0.2892
Mercury	-20253-05-18 03:50 J	-5675847.48	-5675847.34	-5675847.19	0.3627	0.1541
Mercury	-20228-04-17 23:16 J	-5666746.60	-5666746.53	-5666746.46	0.3744	0.2633
Mercury	-20223-11-01 14:38 J	-5664722.99	-5664722.89	-5664722.79	0.3746	0.0558
Mercury	-20217-05-17 06:14 J	-5662699.33	-5662699.24	-5662699.15	0.3747	0.1548
Mercury	-20212-11-30 21:50 J	-5660675.60	-5660675.59	-5660675.57	0.3749	0.3672
Mercury	-20197-12-23 06:14 J	-5655174.39	-5655174.24	-5655174.08	0.3627	0.0698
Mercury	-20172-11-22 20:38 J	-5646073.73	-5646073.64	-5646073.56	0.3744	0.1868
Mercury	-20166-06-08 12:14 J	-5644050.10	-5644049.99	-5644049.89	0.3746	0.0271
Mercury	-20161-12-22 03:36 J	-5642026.42	-5642026.35	-5642026.27	0.3748	0.2327
Mercury	-20140-07-30 08:38 J	-5634501.24	-5634501.14	-5634501.05	0.3626	0.2896
Mercury	-20121-12-14 02:23 J	-5627424.45	-5627424.40	-5627424.34	0.3743	0.3172
Mercury	-20115-06-29 18:00 J	-5625400.85	-5625400.75	-5625400.65	0.3745	0.1102
Mercury	-20109-01-13 09:36 J	-5623377.20	-5623377.10	-5623377.00	0.3746	0.0990
Mercury	-20104-07-29 01:11 J	-5621353.51	-5621353.45	-5621353.40	0.3748	0.3097
Mercury	-20089-08-20 00:57 J	-5615852.60	-5615852.46	-5615852.31	0.3628	0.1521
Mercury	-20064-07-21 00:00 J	-5606751.58	-5606751.50	-5606751.43	0.3743	0.2413
Mercury	-20058-02-03 15:21 J	-5604727.96	-5604727.86	-5604727.76	0.3745	0.0354
Mercury	-20053-08-19 06:57 J	-5602704.30	-5602704.21	-5602704.12	0.3747	0.1755
Mercury	-20032-03-27 03:21 J	-5595179.52	-5595179.36	-5595179.21	0.3628	0.0695
Mercury	-20013-08-11 05:45 J	-5588102.27	-5588102.26	-5588102.25	0.3742	0.3706
Mercury	-20007-02-24 21:21 J	-5586078.70	-5586078.61	-5586078.52	0.3744	0.1658
Mercury	-20002-09-10 12:43 J	-5584055.07	-5584054.97	-5584054.87	0.3745	0.0460

20TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 20th millennium BCE.

PLANET	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
	TRANSIT							
	TIME							
Mercury	-19996-03-26 04:19 J	-5582031.39	-5582031.32	-5582031.24	0.3747	0.2518		
Mercury	-19976-11-01 05:31 J	-5574506.37	-5574506.27	-5574506.18	0.3627	0.2868		
Mercury	-19956-03-18 03:07 J	-5567429.42	-5567429.37	-5567429.31	0.3742	0.2961		
Mercury	-19951-10-01 18:43 J	-5565405.82	-5565405.72	-5565405.62	0.3744	0.0894		
Mercury	-19945-04-16 10:19 J	-5563382.17	-5563382.07	-5563381.98	0.3746	0.1190		
Mercury	-19940-10-31 01:55 J	-5561358.47	-5561358.42	-5561358.38	0.3748	0.3295		
Mercury	-19925-11-21 21:50 J	-5555857.73	-5555857.59	-5555857.44	0.3629	0.1542		
Mercury	-19900-10-23 00:43 J	-5546756.55	-5546756.47	-5546756.39	0.3743	0.2206		
Mercury	-19894-05-08 16:04 J	-5544732.93	-5544732.83	-5544732.73	0.3744	0.0141		
Mercury	-19889-11-21 07:40 J	-5542709.27	-5542709.18	-5542709.10	0.3746	0.1948		
Mercury	-19868-06-29 00:14 J	-5535184.65	-5535184.49	-5535184.33	0.3628	0.0687		
Mercury	-19849-11-13 06:28 J	-5528107.26	-5528107.23	-5528107.19	0.3741	0.3501		
Mercury	-19843-05-29 22:04 J	-5526083.67	-5526083.58	-5526083.49	0.3743	0.1452		
Mercury	-19838-12-13 13:26 J	-5524060.04	-5524059.94	-5524059.84	0.3745	0.0628		
Mercury	-19832-06-28 05:02 J	-5522036.36	-5522036.29	-5522036.22	0.3746	0.2719		
Mercury	-19811-02-03 02:38 J	-5514511.49	-5514511.39	-5514511.30	0.3628	0.2877		
Mercury	-19792-06-20 04:04 J	-5507434.40	-5507434.33	-5507434.27	0.3742	0.2748		
Mercury	-19786-01-03 19:26 J	-5505410.79	-5505410.69	-5505410.59	0.3743	0.0691		
Mercury	-19781-07-19 11:02 J	-5503387.14	-5503387.04	-5503386.95	0.3745	0.1393		
Mercury	-19775-02-02 02:23 J	-5501363.43	-5501363.40	-5501363.36	0.3747	0.3492		
Mercury	-19760-02-23 18:57 J	-5495862.86	-5495862.71	-5495862.57	0.3630	0.1559		
Mercury	-19735-01-25 01:26 J	-5486761.53	-5486761.44	-5486761.36	0.3742	0.1991		

Mercury	-19730-08-10 16:48 J	-5484737.90	-5484737.80	-5484737.70	0.3744	0.0086
Mercury	-19724-02-23 08:23 J	-5482714.23	-5482714.15	-5482714.07	0.3746	0.2150
Mercury	-19704-09-30 21:07 J	-5475189.78	-5475189.62	-5475189.46	0.3630	0.0635
Mercury	-19684-02-15 07:11 J	-5468112.24	-5468112.20	-5468112.15	0.3741	0.3285
Mercury	-19679-08-31 22:48 J	-5466088.65	-5466088.55	-5466088.46	0.3742	0.1236
Mercury	-19673-03-16 14:09 J	-5464065.01	-5464064.91	-5464064.81	0.3744	0.0828
Mercury	-19668-09-30 05:45 J	-5462041.32	-5462041.26	-5462041.20	0.3746	0.2916
Mercury	-19647-05-07 23:16 J	-5454516.62	-5454516.53	-5454516.43	0.3629	0.2834
Mercury	-19628-09-22 04:48 J	-5447439.38	-5447439.30	-5447439.23	0.3741	0.2538
Mercury	-19622-04-07 20:09 J	-5445415.76	-5445415.66	-5445415.56	0.3743	0.0498
Mercury	-19617-10-21 11:31 J	-5443392.11	-5443392.02	-5443391.92	0.3745	0.1587
Mercury	-19611-05-07 03:07 J	-5441368.39	-5441368.37	-5441368.35	0.3746	0.3667
Mercury	-19596-05-28 15:36 J	-5435867.99	-5435867.85	-5435867.71	0.3631	0.1640
Mercury	-19571-04-29 02:09 J	-5426766.50	-5426766.41	-5426766.33	0.3741	0.1802
Mercury	-19566-11-12 17:31 J	-5424742.87	-5424742.77	-5424742.67	0.3743	0.0262
Mercury	-19560-05-28 09:07 J	-5422719.20	-5422719.12	-5422719.05	0.3745	0.2342
Mercury	-19539-01-02 18:00 J	-5415194.91	-5415194.75	-5415194.59	0.3630	0.0598
Mercury	-19520-05-20 07:55 J	-5408117.22	-5408117.17	-5408117.11	0.3740	0.3082
Mercury	-19515-12-03 23:31 J	-5406093.62	-5406093.52	-5406093.43	0.3742	0.1050
Mercury	-19509-06-18 14:52 J	-5404069.97	-5404069.88	-5404069.78	0.3743	0.1025
Mercury	-19503-01-02 06:28 J	-5402046.29	-5402046.23	-5402046.18	0.3745	0.3101
Mercury	-19483-08-09 20:23 J	-5394521.75	-5394521.65	-5394521.55	0.3630	0.2840
Mercury	-19464-12-25 05:31 J	-5387444.35	-5387444.27	-5387444.20	0.3740	0.2335
Mercury	-19458-07-10 20:52 J	-5385420.73	-5385420.63	-5385420.53	0.3742	0.0286
Mercury	-19452-01-23 12:28 J	-5383397.07	-5383396.98	-5383396.90	0.3744	0.1789
Mercury	-19432-08-30 12:28 J	-5375873.12	-5375872.98	-5375872.84	0.3632	0.1664
Mercury	-19412-01-15 11:31 J	-5368795.05	-5368795.02	-5368795.00	0.3739	0.3607
Mercury	-19407-08-01 02:52 J	-5366771.47	-5366771.38	-5366771.29	0.3741	0.1583
Mercury	-19401-02-14 18:14 J	-5364747.84	-5364747.74	-5364747.64	0.3742	0.0472
Mercury	-19396-08-30 09:50 J	-5362724.17	-5362724.09	-5362724.02	0.3744	0.2541

Mercury	-19375-04-06 14:52 J	-5355200.04	-5355199.88	-5355199.72	0.3631	0.0579
Mercury	-19356-08-22 08:52 J	-5348122.20	-5348122.13	-5348122.07	0.3739	0.2870
Mercury	-19350-03-08 00:14 J	-5346098.59	-5346098.49	-5346098.39	0.3741	0.0841
Mercury	-19345-09-20 15:36 J	-5344074.94	-5344074.85	-5344074.75	0.3743	0.1223
Mercury	-19339-04-06 07:11 J	-5342051.25	-5342051.20	-5342051.16	0.3744	0.3286
Mercury	-19319-11-11 17:16 J	-5334526.88	-5334526.78	-5334526.68	0.3631	0.2793
Mercury	-19299-03-29 06:14 J	-5327449.33	-5327449.24	-5327449.16	0.3740	0.2135
Mercury	-19294-10-12 21:36 J	-5325425.70	-5325425.60	-5325425.50	0.3741	0.0101
Mercury	-19288-04-27 12:57 J	-5323402.04	-5323401.96	-5323401.87	0.3743	0.1964
Mercury	-19268-12-02 09:21 J	-5315878.25	-5315878.11	-5315877.97	0.3633	0.1728
Mercury	-19248-04-19 12:00 J	-5308800.03	-5308800.00	-5308799.96	0.3738	0.3413
Mercury	-19243-11-03 03:36 J	-5306776.45	-5306776.35	-5306776.26	0.3740	0.1387
Mercury	-19237-05-18 18:57 J	-5304752.81	-5304752.71	-5304752.61	0.3742	0.0657
Mercury	-19232-12-02 10:33 J	-5302729.13	-5302729.06	-5302729.00	0.3743	0.2725
Mercury	-19211-07-09 12:00 J	-5295205.16	-5295205.00	-5295204.85	0.3632	0.0566
Mercury	-19192-11-24 09:36 J	-5288127.17	-5288127.10	-5288127.04	0.3738	0.2670
Mercury	-19186-06-10 00:57 J	-5286103.56	-5286103.46	-5286103.36	0.3740	0.0636
Mercury	-19181-12-23 16:19 J	-5284079.91	-5284079.82	-5284079.73	0.3742	0.1412
Mercury	-19175-07-09 07:55 J	-5282056.21	-5282056.17	-5282056.14	0.3744	0.3482
Mercury	-19154-02-13 14:23 J	-5274532.01	-5274531.90	-5274531.80	0.3631	0.2783
Mercury	-19135-07-01 06:57 J	-5267454.30	-5267454.21	-5267454.13	0.3739	0.1921
Mercury	-19129-01-14 22:19 J	-5265430.67	-5265430.57	-5265430.47	0.3740	0.0113
Mercury	-19124-07-30 13:40 J	-5263407.01	-5263406.93	-5263406.85	0.3742	0.2165
Mercury	-19103-03-06 06:14 J	-5255883.38	-5255883.24	-5255883.10	0.3634	0.1760
Mercury	-19084-07-22 12:57 J	-5248805.01	-5248804.96	-5248804.91	0.3737	0.3200
Mercury	-19078-02-05 04:19 J	-5246781.42	-5246781.32	-5246781.23	0.3739	0.1177
Mercury	-19073-08-20 19:40 J	-5244757.78	-5244757.68	-5244757.58	0.3741	0.0859
Mercury	-19067-03-06 11:16 J	-5242734.10	-5242734.03	-5242733.97	0.3743	0.2917
Mercury	-19047-10-11 08:38 J	-5235210.30	-5235210.14	-5235209.98	0.3633	0.0468
Mercury	-19027-02-26 10:19 J	-5228132.15	-5228132.07	-5228132.00	0.3738	0.2460

Mercury -19022-09-12 01:40 J -5226108.53 -5226108.43 -5226108.33 0.3740 0.0436

Mercury -19016-03-27 17:02 J -5224084.88 -5224084.79 -5224084.70 0.3741 0.1602

Mercury -19011-10-11 08:38 J -5222061.16 -5222061.14 -5222061.13 0.3743 0.3666

19TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 19th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-18990-05-18 11:02 J	-5214537.15	-5214537.04	-5214536.94	0.3632	0.2691		
Mercury	-18976-03-19 16:19 J	-5209482.82	-5209482.82	-5209482.82	0.3736	0.3730		
Mercury	-18971-10-03 07:40 J	-5207459.27	-5207459.18	-5207459.09	0.3738	0.1719		
Mercury	-18965-04-17 23:02 J	-5205435.64	-5205435.54	-5205435.44	0.3740	0.0301		
Mercury	-18960-11-01 14:23 J	-5203411.97	-5203411.90	-5203411.82	0.3742	0.2354		
Mercury	-18939-06-08 02:52 J	-5195888.52	-5195888.38	-5195888.24	0.3634	0.1850		
Mercury	-18920-10-24 13:40 J	-5188809.99	-5188809.93	-5188809.87	0.3737	0.2994		
Mercury	-18914-05-10 05:02 J	-5186786.39	-5186786.29	-5186786.20	0.3738	0.0990		
Mercury	-18909-11-22 20:23 J	-5184762.75	-5184762.65	-5184762.55	0.3740	0.1047		
Mercury	-18903-06-08 11:45 J	-5182739.06	-5182739.01	-5182738.95	0.3742	0.3103		
Mercury	-18882-01-13 05:16 J	-5175215.44	-5175215.28	-5175215.12	0.3634	0.0411		
Mercury	-18863-05-31 11:02 J	-5168137.12	-5168137.04	-5168136.96	0.3737	0.2262		
Mercury	-18858-12-15 02:23 J	-5166113.50	-5166113.40	-5166113.30	0.3739	0.0255		
Mercury	-18852-06-29 17:45 J	-5164089.84	-5164089.76	-5164089.67	0.3741	0.1797		
Mercury	-18826-08-20 07:55 J	-5154542.28	-5154542.17	-5154542.06	0.3633	0.2655		
Mercury	-18812-06-21 17:02 J	-5149487.82	-5149487.79	-5149487.76	0.3736	0.3521		

Mercury	-18806-01-05 08:23 J	-5147464.24	-5147464.15	-5147464.06	0.3737	0.1522
Mercury	-18801-07-20 23:45 J	-5145440.61	-5145440.51	-5145440.41	0.3739	0.0499
Mercury	-18795-02-03 15:07 J	-5143416.94	-5143416.87	-5143416.79	0.3741	0.2547
Mercury	-18775-09-09 23:31 J	-5135893.65	-5135893.52	-5135893.38	0.3635	0.1928
Mercury	-18755-01-26 14:23 J	-5128814.97	-5128814.90	-5128814.83	0.3736	0.2783
Mercury	-18750-08-12 05:45 J	-5126791.36	-5126791.26	-5126791.16	0.3738	0.0782
Mercury	-18744-02-24 21:07 J	-5124767.71	-5124767.62	-5124767.52	0.3740	0.1248
Mercury	-18739-09-10 12:43 J	-5122744.02	-5122743.97	-5122743.93	0.3741	0.3290
Mercury	-18718-04-17 02:09 J	-5115220.57	-5115220.41	-5115220.25	0.3635	0.0350
Mercury	-18699-09-02 11:45 J	-5108142.09	-5108142.01	-5108141.93	0.3736	0.2053
Mercury	-18693-03-18 03:07 J	-5106118.47	-5106118.37	-5106118.27	0.3738	0.0048
Mercury	-18688-10-01 18:28 J	-5104094.81	-5104094.73	-5104094.64	0.3740	0.1990
Mercury	-18662-11-22 04:33 J	-5094547.42	-5094547.31	-5094547.19	0.3634	0.2588
Mercury	-18648-09-23 17:45 J	-5089492.80	-5089492.76	-5089492.72	0.3735	0.3316
Mercury	-18642-04-09 09:07 J	-5087469.21	-5087469.12	-5087469.03	0.3737	0.1330
Mercury	-18637-10-23 00:28 J	-5085445.58	-5085445.48	-5085445.38	0.3739	0.0690
Mercury	-18631-05-08 15:50 J	-5083421.91	-5083421.84	-5083421.77	0.3740	0.2716
Mercury	-18611-12-12 20:23 J	-5075898.79	-5075898.65	-5075898.52	0.3636	0.2012
Mercury	-18591-04-30 15:07 J	-5068819.94	-5068819.87	-5068819.80	0.3735	0.2597
Mercury	-18586-11-14 06:28 J	-5066796.33	-5066796.23	-5066796.13	0.3737	0.0594
Mercury	-18580-05-29 21:50 J	-5064772.68	-5064772.59	-5064772.50	0.3739	0.1426
Mercury	-18575-12-13 13:11 J	-5062748.98	-5062748.95	-5062748.91	0.3741	0.3465
Mercury	-18554-07-19 23:02 J	-5055225.70	-5055225.54	-5055225.38	0.3635	0.0289
Mercury	-18535-12-05 12:28 J	-5048147.07	-5048146.98	-5048146.89	0.3736	0.1864
Mercury	-18529-06-20 03:50 J	-5046123.44	-5046123.34	-5046123.24	0.3737	0.0157
Mercury	-18523-01-03 19:11 J	-5044099.78	-5044099.70	-5044099.62	0.3739	0.2170
Mercury	-18497-02-24 01:26 J	-5034552.55	-5034552.44	-5034552.32	0.3635	0.2547
Mercury	-18484-12-26 18:28 J	-5029497.78	-5029497.73	-5029497.68	0.3734	0.3118
Mercury	-18478-07-12 09:50 J	-5027474.18	-5027474.09	-5027473.99	0.3736	0.1128
Mercury	-18472-01-25 01:11 J	-5025450.54	-5025450.45	-5025450.35	0.3738	0.0894

Mercury	-18467-08-10 16:33 J	-5023426.87	-5023426.81	-5023426.74	0.3739	0.2915
Mercury	-18446-03-16 17:02 J	-5015903.92	-5015903.79	-5015903.65	0.3637	0.2072
Mercury	-18427-08-02 15:50 J	-5008824.91	-5008824.84	-5008824.76	0.3734	0.2391
Mercury	-18421-02-16 07:11 J	-5006801.30	-5006801.20	-5006801.10	0.3736	0.0401
Mercury	-18416-08-31 22:33 J	-5004777.65	-5004777.56	-5004777.47	0.3738	0.1626
Mercury	-18410-03-17 14:09 J	-5002753.93	-5002753.91	-5002753.90	0.3740	0.3651
Mercury	-18390-10-21 19:26 J	-4995230.85	-4995230.69	-4995230.52	0.3636	0.0184
Mercury	-18376-08-23 21:50 J	-4990175.60	-4990175.59	-4990175.57	0.3733	0.3644
Mercury	-18370-03-09 13:11 J	-4988152.04	-4988151.95	-4988151.86	0.3735	0.1666
Mercury	-18365-09-22 04:33 J	-4986128.41	-4986128.31	-4986128.21	0.3737	0.0352
Mercury	-18359-04-07 19:55 J	-4984104.74	-4984104.67	-4984104.59	0.3739	0.2349
Mercury	-18333-05-27 22:04 J	-4974557.70	-4974557.58	-4974557.46	0.3636	0.2419
Mercury	-18319-03-30 19:11 J	-4969502.76	-4969502.70	-4969502.64	0.3733	0.2926
Mercury	-18314-10-14 10:33 J	-4967479.15	-4967479.06	-4967478.96	0.3735	0.0939
Mercury	-18308-04-29 01:55 J	-4965455.51	-4965455.42	-4965455.32	0.3737	0.1065
Mercury	-18303-11-12 17:16 J	-4963431.83	-4963431.78	-4963431.72	0.3739	0.3091
Mercury	-18282-06-18 13:40 J	-4955909.06	-4955908.93	-4955908.80	0.3638	0.2197
Mercury	-18263-11-04 16:33 J	-4948829.89	-4948829.81	-4948829.73	0.3734	0.2198
Mercury	-18257-05-20 07:55 J	-4946806.27	-4946806.17	-4946806.07	0.3736	0.0219
Mercury	-18252-12-03 23:16 J	-4944782.61	-4944782.53	-4944782.44	0.3737	0.1803
Mercury	-18225-01-23 16:19 J	-4935235.98	-4935235.82	-4935235.66	0.3637	0.0097
Mercury	-18212-11-25 22:48 J	-4930180.59	-4930180.55	-4930180.52	0.3732	0.3452
Mercury	-18206-06-11 13:55 J	-4928157.01	-4928156.92	-4928156.82	0.3734	0.1475
Mercury	-18201-12-25 05:16 J	-4926133.38	-4926133.28	-4926133.18	0.3736	0.0538
Mercury	-18195-07-10 20:52 J	-4924109.71	-4924109.63	-4924109.56	0.3738	0.2543
Mercury	-18169-08-29 18:57 J	-4914562.83	-4914562.71	-4914562.59	0.3637	0.2363
Mercury	-18155-07-02 20:09 J	-4909507.73	-4909507.66	-4909507.60	0.3733	0.2724
Mercury	-18149-01-16 11:16 J	-4907484.12	-4907484.03	-4907483.93	0.3734	0.0755
Mercury	-18144-08-01 02:38 J	-4905460.48	-4905460.39	-4905460.29	0.3736	0.1262
Mercury	-18138-02-14 18:14 J	-4903436.79	-4903436.74	-4903436.70	0.3738	0.3276

Mercury	-18118-09-20 10:19 J	-4895914.20	-4895914.07	-4895913.95	0.3639	0.2316
Mercury	-18098-02-06 17:31 J	-4888834.86	-4888834.77	-4888834.69	0.3733	0.2000
Mercury	-18093-08-22 08:38 J	-4886811.24	-4886811.14	-4886811.03	0.3735	0.0176
Mercury	-18087-03-08 00:14 J	-4884787.58	-4884787.49	-4884787.41	0.3737	0.1994
Mercury	-18061-04-26 12:57 J	-4875241.12	-4875240.96	-4875240.79	0.3638	0.0050
Mercury	-18047-02-27 23:31 J	-4870185.57	-4870185.52	-4870185.47	0.3732	0.3245
Mercury	-18042-09-13 14:52 J	-4868161.98	-4868161.88	-4868161.79	0.3734	0.1276
Mercury	-18036-03-29 06:00 J	-4866138.34	-4866138.25	-4866138.15	0.3735	0.0728
Mercury	-18031-10-12 21:36 J	-4864114.67	-4864114.60	-4864114.54	0.3737	0.2724
Mercury	-18005-12-01 15:36 J	-4854567.97	-4854567.85	-4854567.72	0.3637	0.2269

18TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 18th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-17991-10-04 20:52 J	-4849512.70	-4849512.63	-4849512.56	0.3732	0.2524		
Mercury	-17985-04-19 12:14 J	-4847489.09	-4847488.99	-4847488.90	0.3734	0.0579		
Mercury	-17980-11-03 03:36 J	-4845465.45	-4845465.35	-4845465.26	0.3736	0.1449		
Mercury	-17974-05-19 18:57 J	-4843441.75	-4843441.71	-4843441.68	0.3737	0.3445		
Mercury	-17954-12-23 06:57 J	-4835919.33	-4835919.21	-4835919.09	0.3640	0.2401		
Mercury	-17934-05-11 18:14 J	-4828839.83	-4828839.74	-4828839.66	0.3732	0.1815		
Mercury	-17929-11-24 09:36 J	-4826816.20	-4826816.10	-4826816.00	0.3734	0.0228		
Mercury	-17923-06-10 00:57 J	-4824792.54	-4824792.46	-4824792.38	0.3736	0.2172		
Mercury	-17897-07-29 09:50 J	-4815246.26	-4815246.09	-4815245.93	0.3639	0.0115		

Mercury	-17883-06-02 00:14 J	-4810190.55	-4810190.49	-4810190.44	0.3731	0.3055
Mercury	-17878-12-16 15:36 J	-4808166.95	-4808166.85	-4808166.76	0.3733	0.1096
Mercury	-17872-07-01 06:57 J	-4806143.31	-4806143.21	-4806143.12	0.3735	0.0907
Mercury	-17866-01-14 22:19 J	-4804119.63	-4804119.57	-4804119.51	0.3736	0.2898
Mercury	-17840-03-05 12:28 J	-4794573.11	-4794572.98	-4794572.85	0.3638	0.2187
Mercury	-17826-01-06 21:36 J	-4789517.68	-4789517.60	-4789517.52	0.3731	0.2332
Mercury	-17821-07-22 12:57 J	-4787494.06	-4787493.96	-4787493.86	0.3733	0.0366
Mercury	-17815-02-05 04:19 J	-4785470.41	-4785470.32	-4785470.23	0.3735	0.1629
Mercury	-17810-08-21 19:40 J	-4783446.70	-4783446.68	-4783446.66	0.3737	0.3626
Mercury	-17789-03-26 03:50 J	-4775924.46	-4775924.34	-4775924.23	0.3641	0.2494
Mercury	-17775-01-28 03:36 J	-4770868.37	-4770868.35	-4770868.32	0.3730	0.3568
Mercury	-17770-08-13 18:57 J	-4768844.80	-4768844.71	-4768844.62	0.3732	0.1609
Mercury	-17764-02-26 10:19 J	-4766821.17	-4766821.07	-4766820.97	0.3734	0.0369
Mercury	-17759-09-12 01:40 J	-4764797.51	-4764797.43	-4764797.35	0.3735	0.2356
Mercury	-17733-10-31 06:14 J	-4755251.40	-4755251.24	-4755251.08	0.3640	0.0236
Mercury	-17719-09-04 00:57 J	-4750195.52	-4750195.46	-4750195.39	0.3730	0.2855
Mercury	-17713-03-19 16:19 J	-4748171.92	-4748171.82	-4748171.72	0.3732	0.0896
Mercury	-17708-10-03 07:40 J	-4746148.28	-4746148.18	-4746148.09	0.3734	0.1084
Mercury	-17702-04-18 23:02 J	-4744124.60	-4744124.54	-4744124.49	0.3736	0.3069
Mercury	-17676-06-07 08:52 J	-4734578.26	-4734578.13	-4734577.99	0.3639	0.2029
Mercury	-17662-04-10 22:19 J	-4729522.65	-4729522.57	-4729522.49	0.3731	0.2145
Mercury	-17657-10-24 13:40 J	-4727499.03	-4727498.93	-4727498.83	0.3733	0.0180
Mercury	-17651-05-10 05:02 J	-4725475.38	-4725475.29	-4725475.21	0.3734	0.1800
Mercury	-17625-06-28 00:14 J	-4715929.60	-4715929.49	-4715929.38	0.3641	0.2640
Mercury	-17611-05-02 04:19 J	-4710873.36	-4710873.32	-4710873.28	0.3729	0.3387
Mercury	-17606-11-15 19:40 J	-4708849.77	-4708849.68	-4708849.59	0.3731	0.1427
Mercury	-17600-05-31 11:02 J	-4706826.14	-4706826.04	-4706825.94	0.3733	0.0541
Mercury	-17595-12-15 02:23 J	-4704802.47	-4704802.40	-4704802.33	0.3735	0.2522
Mercury	-17568-02-02 02:52 J	-4695256.54	-4695256.38	-4695256.21	0.3641	0.0344
Mercury	-17555-12-07 01:40 J	-4690200.49	-4690200.43	-4690200.36	0.3729	0.2671

Mercury	-17549-06-21 17:02 J	-4688176.89	-4688176.79	-4688176.69	0.3731	0.0710
Mercury	-17543-01-05 08:23 J	-4686153.24	-4686153.15	-4686153.06	0.3733	0.1264
Mercury	-17538-07-21 23:45 J	-4684129.56	-4684129.51	-4684129.46	0.3735	0.3251
Mercury	-17512-09-09 05:31 J	-4674583.40	-4674583.27	-4674583.13	0.3640	0.1939
Mercury	-17498-07-13 23:16 J	-4669527.62	-4669527.53	-4669527.45	0.3730	0.1953
Mercury	-17492-01-26 14:23 J	-4667504.00	-4667503.90	-4667503.80	0.3732	0.0086
Mercury	-17487-08-12 05:45 J	-4665480.34	-4665480.26	-4665480.18	0.3734	0.1985
Mercury	-17461-09-29 20:38 J	-4655934.74	-4655934.64	-4655934.53	0.3643	0.2785
Mercury	-17447-08-04 05:16 J	-4650878.33	-4650878.28	-4650878.23	0.3728	0.3184
Mercury	-17441-02-17 20:38 J	-4648854.74	-4648854.64	-4648854.55	0.3730	0.1242
Mercury	-17436-09-02 11:45 J	-4646831.11	-4646831.01	-4646830.91	0.3732	0.0735
Mercury	-17430-03-19 03:07 J	-4644807.44	-4644807.37	-4644807.30	0.3734	0.2702
Mercury	-17404-05-06 23:31 J	-4635261.69	-4635261.52	-4635261.36	0.3642	0.0493
Mercury	-17390-03-11 02:38 J	-4630205.47	-4630205.39	-4630205.32	0.3729	0.2475
Mercury	-17385-09-23 17:45 J	-4628181.85	-4628181.76	-4628181.66	0.3731	0.0541
Mercury	-17379-04-09 09:07 J	-4626158.21	-4626158.12	-4626158.03	0.3733	0.1440
Mercury	-17374-10-24 00:28 J	-4624134.52	-4624134.48	-4624134.44	0.3734	0.3420
Mercury	-17348-12-12 02:09 J	-4614588.55	-4614588.41	-4614588.27	0.3641	0.1816
Mercury	-17339-04-01 08:38 J	-4611556.15	-4611556.14	-4611556.13	0.3727	0.3704
Mercury	-17334-10-16 00:00 J	-4609532.59	-4609532.50	-4609532.41	0.3729	0.1762
Mercury	-17328-04-30 15:07 J	-4607508.97	-4607508.87	-4607508.77	0.3731	0.0220
Mercury	-17323-11-14 06:28 J	-4605485.31	-4605485.23	-4605485.15	0.3733	0.2159
Mercury	-17296-01-01 17:16 J	-4595939.87	-4595939.78	-4595939.68	0.3643	0.2906
Mercury	-17283-11-06 06:00 J	-4590883.31	-4590883.25	-4590883.19	0.3728	0.2992
Mercury	-17277-05-21 21:21 J	-4588859.71	-4588859.61	-4588859.52	0.3730	0.1062
Mercury	-17272-12-05 12:28 J	-4586836.07	-4586835.98	-4586835.88	0.3731	0.0915
Mercury	-17266-06-21 03:50 J	-4584812.40	-4584812.34	-4584812.28	0.3733	0.2879
Mercury	-17240-08-08 20:09 J	-4575266.82	-4575266.66	-4575266.50	0.3643	0.0584
Mercury	-17226-06-13 03:21 J	-4570210.44	-4570210.36	-4570210.28	0.3728	0.2283
Mercury	-17221-12-26 18:43 J	-4568186.82	-4568186.72	-4568186.62	0.3730	0.0372

Mercury	-17215-07-12 09:50 J	-4566163.17	-4566163.09	-4566163.00	0.3732	0.1631
Mercury	-17209-01-26 01:11 J	-4564139.47	-4564139.45	-4564139.42	0.3734	0.3596
Mercury	-17183-03-15 23:02 J	-4554593.69	-4554593.54	-4554593.40	0.3642	0.1716
Mercury	-17175-07-04 09:21 J	-4551561.14	-4551561.11	-4551561.07	0.3727	0.3511
Mercury	-17169-01-18 00:43 J	-4549537.56	-4549537.47	-4549537.38	0.3728	0.1573
Mercury	-17164-08-02 16:04 J	-4547513.93	-4547513.83	-4547513.73	0.3730	0.0395
Mercury	-17158-02-16 07:11 J	-4545490.27	-4545490.20	-4545490.12	0.3732	0.2344
Mercury	-17132-04-05 13:55 J	-4535945.01	-4535944.92	-4535944.83	0.3644	0.3042
Mercury	-17118-02-08 06:43 J	-4530888.28	-4530888.22	-4530888.15	0.3727	0.2801
Mercury	-17113-08-23 22:04 J	-4528864.68	-4528864.58	-4528864.48	0.3729	0.0863
Mercury	-17107-03-09 13:26 J	-4526841.04	-4526840.94	-4526840.85	0.3731	0.1095
Mercury	-17102-09-23 04:48 J	-4524817.36	-4524817.30	-4524817.25	0.3733	0.3056
Mercury	-17076-11-10 16:33 J	-4515271.97	-4515271.81	-4515271.65	0.3643	0.0745
Mercury	-17062-09-15 04:04 J	-4510215.41	-4510215.33	-4510215.24	0.3727	0.2096
Mercury	-17056-03-30 19:26 J	-4508191.79	-4508191.69	-4508191.59	0.3729	0.0162
Mercury	-17051-10-14 10:48 J	-4506168.14	-4506168.05	-4506167.97	0.3731	0.1803
Mercury	-17019-06-17 19:26 J	-4494598.84	-4494598.69	-4494598.54	0.3643	0.1546
Mercury	-17011-10-06 10:19 J	-4491566.12	-4491566.07	-4491566.03	0.3726	0.3315
Mercury	-17005-04-21 01:26 J	-4489542.53	-4489542.44	-4489542.35	0.3728	0.1393

17TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 17th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
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Mercury	-17000-11-04 16:48 J	-4487518.90	-4487518.80	-4487518.70	0.3730	0.0556
Mercury	-16994-05-21 07:55 J	-4485495.24	-4485495.17	-4485495.09	0.3731	0.2508
Mercury	-16968-07-08 10:19 J	-4475950.14	-4475950.07	-4475949.99	0.3645	0.3182
Mercury	-16954-05-13 07:40 J	-4470893.25	-4470893.18	-4470893.11	0.3726	0.2625
Mercury	-16949-11-25 22:48 J	-4468869.65	-4468869.55	-4468869.45	0.3728	0.0689
Mercury	-16943-06-11 14:09 J	-4466846.01	-4466845.91	-4466845.82	0.3730	0.1261
Mercury	-16938-12-26 05:31 J	-4464822.32	-4464822.27	-4464822.23	0.3732	0.3217
Mercury	-16911-02-12 13:11 J	-4455277.11	-4455276.95	-4455276.79	0.3644	0.0870
Mercury	-16898-12-18 04:48 J	-4450220.38	-4450220.30	-4450220.21	0.3727	0.1922
Mercury	-16892-07-02 20:09 J	-4448196.76	-4448196.66	-4448196.56	0.3729	0.0067
Mercury	-16886-01-16 11:31 J	-4446173.11	-4446173.02	-4446172.94	0.3730	0.1971
Mercury	-16855-09-19 16:04 J	-4434603.99	-4434603.83	-4434603.68	0.3644	0.1407
Mercury	-16846-01-08 11:02 J	-4431571.09	-4431571.04	-4431570.99	0.3725	0.3128
Mercury	-16841-07-24 02:23 J	-4429547.50	-4429547.40	-4429547.31	0.3727	0.1213
Mercury	-16835-02-06 17:31 J	-4427523.87	-4427523.77	-4427523.67	0.3729	0.0743
Mercury	-16830-08-23 08:52 J	-4425500.20	-4425500.13	-4425500.06	0.3731	0.2681
Mercury	-16804-10-10 06:57 J	-4415955.28	-4415955.21	-4415955.15	0.3646	0.3348
Mercury	-16790-08-15 08:23 J	-4410898.22	-4410898.15	-4410898.08	0.3726	0.2424
Mercury	-16784-02-27 23:45 J	-4408874.61	-4408874.51	-4408874.42	0.3728	0.0516
Mercury	-16779-09-13 14:52 J	-4406850.97	-4406850.88	-4406850.79	0.3729	0.1445
Mercury	-16773-03-29 06:14 J	-4404827.28	-4404827.24	-4404827.20	0.3731	0.3388
Mercury	-16747-05-17 09:36 J	-4395282.25	-4395282.10	-4395281.94	0.3645	0.1049
Mercury	-16739-09-05 14:23 J	-4392248.91	-4392248.90	-4392248.88	0.3724	0.3641
Mercury	-16733-03-21 05:45 J	-4390225.35	-4390225.26	-4390225.17	0.3726	0.1729
Mercury	-16728-10-04 20:52 J	-4388201.73	-4388201.63	-4388201.53	0.3728	0.0269
Mercury	-16722-04-20 12:14 J	-4386178.07	-4386177.99	-4386177.91	0.3730	0.2137
Mercury	-16691-12-22 12:28 J	-4374609.13	-4374608.98	-4374608.82	0.3645	0.1259
Mercury	-16682-04-12 11:45 J	-4371576.07	-4371576.01	-4371575.95	0.3725	0.2949
Mercury	-16677-10-26 03:07 J	-4369552.47	-4369552.37	-4369552.28	0.3727	0.1027
Mercury	-16671-05-11 18:14 J	-4367528.83	-4367528.74	-4367528.64	0.3728	0.0906

Mercury	-16666-11-25 09:36 J	-4365505.16	-4365505.10	-4365505.04	0.3730	0.2844
Mercury	-16639-01-12 03:21 J	-4355960.40	-4355960.36	-4355960.32	0.3647	0.3503
Mercury	-16634-07-29 15:21 J	-4353935.89	-4353935.86	-4353935.83	0.3644	0.3553
Mercury	-16626-11-17 09:07 J	-4350903.20	-4350903.12	-4350903.04	0.3725	0.2247
Mercury	-16620-06-02 00:28 J	-4348879.58	-4348879.48	-4348879.38	0.3727	0.0343
Mercury	-16615-12-16 15:36 J	-4346855.94	-4346855.85	-4346855.76	0.3729	0.1611
Mercury	-16609-07-01 06:57 J	-4344832.24	-4344832.21	-4344832.18	0.3730	0.3556
Mercury	-16583-08-19 06:14 J	-4335287.39	-4335287.24	-4335287.08	0.3646	0.1171
Mercury	-16575-12-08 15:21 J	-4332253.90	-4332253.86	-4332253.83	0.3723	0.3458
Mercury	-16569-06-23 06:28 J	-4330230.32	-4330230.23	-4330230.14	0.3725	0.1545
Mercury	-16563-01-06 21:50 J	-4328206.69	-4328206.59	-4328206.49	0.3727	0.0390
Mercury	-16558-07-23 12:57 J	-4326183.03	-4326182.96	-4326182.88	0.3729	0.2322
Mercury	-16526-03-26 09:07 J	-4314614.27	-4314614.12	-4314613.96	0.3646	0.1128
Mercury	-16518-07-15 12:43 J	-4311581.04	-4311580.97	-4311580.91	0.3724	0.2756
Mercury	-16512-01-28 03:50 J	-4309557.44	-4309557.34	-4309557.24	0.3726	0.0842
Mercury	-16507-08-13 19:11 J	-4307533.80	-4307533.70	-4307533.61	0.3728	0.1087
Mercury	-16501-02-27 10:19 J	-4305510.12	-4305510.07	-4305510.01	0.3730	0.3024
Mercury	-16470-10-31 11:45 J	-4293941.07	-4293941.01	-4293940.95	0.3645	0.3360
Mercury	-16461-02-19 10:04 J	-4290908.17	-4290908.08	-4290908.00	0.3724	0.2062
Mercury	-16456-09-04 01:11 J	-4288884.55	-4288884.45	-4288884.35	0.3726	0.0151
Mercury	-16450-03-20 16:33 J	-4286860.90	-4286860.81	-4286860.73	0.3728	0.1784
Mercury	-16445-10-03 07:40 J	-4284837.18	-4284837.18	-4284837.17	0.3730	0.3723
Mercury	-16419-11-21 02:38 J	-4275292.54	-4275292.39	-4275292.24	0.3647	0.1358
Mercury	-16410-03-12 16:04 J	-4272258.87	-4272258.83	-4272258.78	0.3723	0.3270
Mercury	-16405-09-25 07:26 J	-4270235.29	-4270235.19	-4270235.10	0.3725	0.1368
Mercury	-16399-04-10 22:33 J	-4268211.66	-4268211.56	-4268211.46	0.3727	0.0551
Mercury	-16394-10-25 13:55 J	-4266188.00	-4266187.92	-4266187.85	0.3729	0.2486
Mercury	-16362-06-28 05:31 J	-4254619.43	-4254619.27	-4254619.11	0.3646	0.0937
Mercury	-16354-10-17 13:26 J	-4251586.01	-4251585.94	-4251585.87	0.3723	0.2573
Mercury	-16348-05-02 04:33 J	-4249562.40	-4249562.31	-4249562.21	0.3725	0.0684

Mercury	-16343-11-15 19:55 J	-4247538.76	-4247538.67	-4247538.58	0.3727	0.1251
Mercury	-16337-05-31 11:16 J	-4245515.08	-4245515.03	-4245514.98	0.3729	0.3181
Mercury	-16305-02-02 08:23 J	-4233946.22	-4233946.15	-4233946.07	0.3646	0.3232
Mercury	-16297-05-23 10:48 J	-4230913.14	-4230913.05	-4230912.97	0.3724	0.1884
Mercury	-16292-12-07 01:55 J	-4228889.52	-4228889.42	-4228889.32	0.3725	0.0140
Mercury	-16286-06-22 17:16 J	-4226865.86	-4226865.78	-4226865.70	0.3727	0.1952
Mercury	-16254-02-22 23:16 J	-4215297.68	-4215297.53	-4215297.38	0.3648	0.1503
Mercury	-16246-06-14 16:48 J	-4212263.85	-4212263.80	-4212263.74	0.3722	0.3091
Mercury	-16241-12-28 08:09 J	-4210240.26	-4210240.16	-4210240.07	0.3724	0.1190
Mercury	-16235-07-13 23:16 J	-4208216.62	-4208216.53	-4208216.43	0.3726	0.0737
Mercury	-16229-01-27 14:38 J	-4206192.96	-4206192.89	-4206192.82	0.3728	0.2650
Mercury	-16198-09-30 01:55 J	-4194624.58	-4194624.42	-4194624.26	0.3647	0.0768
Mercury	-16189-01-19 14:09 J	-4191590.98	-4191590.91	-4191590.83	0.3722	0.2397
Mercury	-16184-08-04 05:31 J	-4189567.37	-4189567.27	-4189567.17	0.3724	0.0493
Mercury	-16178-02-17 20:38 J	-4187543.73	-4187543.64	-4187543.54	0.3726	0.1433
Mercury	-16173-09-02 12:00 J	-4185520.04	-4185520.00	-4185519.96	0.3728	0.3346
Mercury	-16141-05-06 04:48 J	-4173951.38	-4173951.30	-4173951.21	0.3647	0.3061
Mercury	-16138-02-09 20:24 J	-4172941.67	-4172941.65	-4172941.63	0.3721	0.3590
Mercury	-16133-08-25 11:31 J	-4170918.11	-4170918.02	-4170917.93	0.3723	0.1700
Mercury	-16127-03-11 02:52 J	-4168894.48	-4168894.38	-4168894.28	0.3725	0.0225
Mercury	-16122-09-24 18:00 J	-4166870.83	-4166870.75	-4166870.67	0.3727	0.2128
Mercury	-16090-05-27 19:40 J	-4155302.83	-4155302.68	-4155302.54	0.3649	0.1710
Mercury	-16082-09-16 17:45 J	-4152268.82	-4152268.76	-4152268.70	0.3721	0.2900
Mercury	-16076-04-01 08:52 J	-4150245.22	-4150245.13	-4150245.03	0.3723	0.1010
Mercury	-16071-10-16 00:14 J	-4148221.59	-4148221.49	-4148221.40	0.3725	0.0904
Mercury	-16065-04-30 15:21 J	-4146197.92	-4146197.86	-4146197.79	0.3727	0.2810
Mercury	-16033-01-01 22:33 J	-4134629.72	-4134629.56	-4134629.40	0.3648	0.0614
Mercury	-16025-04-22 15:07 J	-4131595.95	-4131595.87	-4131595.79	0.3722	0.2220
Mercury	-16020-11-06 06:14 J	-4129572.34	-4129572.24	-4129572.14	0.3724	0.0318
Mercury	-16014-05-22 21:21 J	-4127548.70	-4127548.61	-4127548.52	0.3726	0.1596

Mercury -16009-12-05 12:43 J -4125525.00 -4125524.97 -4125524.94 0.3727 0.3502

16TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 16th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-15977-08-08 01:26 J		-4113956.53	-4113956.44	-4113956.34	0.3647	0.2907	
Mercury	-15974-05-14 21:07 J		-4112946.66	-4112946.62	-4112946.58	0.3720	0.3420	
Mercury	-15969-11-27 12:28 J		-4110923.08	-4110922.98	-4110922.89	0.3722	0.1535	
Mercury	-15963-06-13 03:35 J		-4108899.45	-4108899.35	-4108899.25	0.3724	0.0372	
Mercury	-15958-12-27 18:57 J		-4106875.79	-4106875.71	-4106875.64	0.3726	0.2286	
Mercury	-15926-08-29 16:04 J		-4095307.97	-4095307.83	-4095307.68	0.3650	0.1855	
Mercury	-15918-12-19 18:28 J		-4092273.80	-4092273.73	-4092273.66	0.3721	0.2728	
Mercury	-15912-07-04 09:50 J		-4090250.19	-4090250.09	-4090250.00	0.3723	0.0845	
Mercury	-15906-01-18 00:57 J		-4088226.56	-4088226.46	-4088226.36	0.3725	0.1067	
Mercury	-15901-08-02 16:19 J		-4086202.88	-4086202.82	-4086202.77	0.3726	0.2980	
Mercury	-15869-04-04 19:11 J		-4074634.87	-4074634.70	-4074634.54	0.3649	0.0457	
Mercury	-15861-07-25 15:50 J		-4071600.92	-4071600.84	-4071600.76	0.3721	0.2032	
Mercury	-15855-02-08 07:11 J		-4069577.30	-4069577.20	-4069577.10	0.3723	0.0207	
Mercury	-15850-08-24 22:19 J		-4067553.66	-4067553.57	-4067553.48	0.3725	0.1761	
Mercury	-15844-03-09 13:40 J		-4065529.95	-4065529.93	-4065529.92	0.3727	0.3672	
Mercury	-15813-11-09 21:50 J		-4053961.70	-4053961.59	-4053961.48	0.3648	0.2702	
Mercury	-15810-08-16 22:04 J		-4052951.63	-4052951.58	-4052951.54	0.3720	0.3231	
Mercury	-15804-03-01 13:11 J		-4050928.04	-4050927.95	-4050927.86	0.3722	0.1343	

Mercury	-15799-09-15 04:33 J	-4048904.41	-4048904.31	-4048904.22	0.3724	0.0576
Mercury	-15793-03-30 19:40 J	-4046880.75	-4046880.68	-4046880.61	0.3726	0.2447
Mercury	-15762-12-01 12:28 J	-4035313.11	-4035312.98	-4035312.84	0.3651	0.2047
Mercury	-15753-03-22 19:26 J	-4032278.77	-4032278.69	-4032278.62	0.3720	0.2552
Mercury	-15748-10-06 10:33 J	-4030255.16	-4030255.06	-4030254.96	0.3722	0.0659
Mercury	-15742-04-22 01:40 J	-4028231.52	-4028231.43	-4028231.33	0.3724	0.1233
Mercury	-15737-11-04 17:02 J	-4026207.84	-4026207.79	-4026207.74	0.3726	0.3135
Mercury	-15705-07-07 15:21 J	-4014640.02	-4014639.86	-4014639.69	0.3650	0.0265
Mercury	-15697-10-27 16:33 J	-4011605.89	-4011605.81	-4011605.72	0.3721	0.1867
Mercury	-15691-05-13 07:55 J	-4009582.27	-4009582.17	-4009582.07	0.3722	0.0089
Mercury	-15686-11-26 23:02 J	-4007558.62	-4007558.54	-4007558.45	0.3724	0.1920
Mercury	-15648-02-11 18:28 J	-3993966.85	-3993966.73	-3993966.62	0.3649	0.2532
Mercury	-15646-11-18 22:48 J	-3992956.60	-3992956.55	-3992956.50	0.3719	0.3055
Mercury	-15640-06-03 13:55 J	-3990933.01	-3990932.92	-3990932.82	0.3721	0.1181
Mercury	-15635-12-18 05:16 J	-3988909.38	-3988909.28	-3988909.18	0.3723	0.0719
Mercury	-15629-07-02 20:24 J	-3986885.72	-3986885.65	-3986885.58	0.3725	0.2612
Mercury	-15597-03-04 09:07 J	-3975318.25	-3975318.12	-3975317.99	0.3652	0.2204
Mercury	-15589-06-24 20:09 J	-3972283.74	-3972283.66	-3972283.58	0.3719	0.2367
Mercury	-15583-01-08 11:16 J	-3970260.13	-3970260.03	-3970259.93	0.3721	0.0498
Mercury	-15578-07-25 02:38 J	-3968236.48	-3968236.39	-3968236.30	0.3723	0.1404
Mercury	-15572-02-06 17:45 J	-3966212.80	-3966212.76	-3966212.71	0.3725	0.3299
Mercury	-15541-10-09 11:45 J	-3954645.17	-3954645.01	-3954644.84	0.3651	0.0094
Mercury	-15538-07-17 02:24 J	-3953634.43	-3953634.40	-3953634.38	0.3718	0.3559
Mercury	-15532-01-29 17:31 J	-3951610.86	-3951610.77	-3951610.68	0.3720	0.1682
Mercury	-15527-08-15 08:38 J	-3949587.24	-3949587.14	-3949587.04	0.3722	0.0218
Mercury	-15521-02-29 00:00 J	-3947563.58	-3947563.50	-3947563.42	0.3724	0.2090
Mercury	-15484-05-16 14:38 J	-3933972.01	-3933971.89	-3933971.76	0.3650	0.2320
Mercury	-15481-02-20 23:31 J	-3932961.58	-3932961.52	-3932961.45	0.3718	0.2877
Mercury	-15476-09-05 14:52 J	-3930937.98	-3930937.88	-3930937.79	0.3720	0.1003
Mercury	-15470-03-22 06:00 J	-3928914.35	-3928914.25	-3928914.15	0.3722	0.0883

Mercury	-15465-10-04 21:21 J	-3926890.68	-3926890.61	-3926890.55	0.3724	0.2773
Mercury	-15433-06-06 05:16 J	-3915323.40	-3915323.28	-3915323.16	0.3652	0.2448
Mercury	-15425-09-26 20:52 J	-3912288.71	-3912288.63	-3912288.55	0.3719	0.2195
Mercury	-15419-04-12 12:14 J	-3910265.09	-3910264.99	-3910264.89	0.3721	0.0347
Mercury	-15414-10-27 03:21 J	-3908241.45	-3908241.36	-3908241.27	0.3723	0.1564
Mercury	-15408-05-11 18:28 J	-3906217.76	-3906217.73	-3906217.69	0.3724	0.3451
Mercury	-15376-01-11 08:24 J	-3894650.32	-3894650.15	-3894649.99	0.3652	0.0153
Mercury	-15374-10-19 03:07 J	-3893639.41	-3893639.37	-3893639.33	0.3717	0.3377
Mercury	-15368-05-03 18:14 J	-3891615.83	-3891615.74	-3891615.65	0.3719	0.1516
Mercury	-15363-11-17 09:35 J	-3889592.20	-3889592.10	-3889592.00	0.3721	0.0395
Mercury	-15357-06-02 00:43 J	-3887568.55	-3887568.47	-3887568.39	0.3723	0.2241
Mercury	-15320-08-18 11:16 J	-3873977.16	-3873977.03	-3873976.89	0.3651	0.2169
Mercury	-15317-05-25 00:28 J	-3872966.55	-3872966.48	-3872966.42	0.3718	0.2705
Mercury	-15312-12-08 15:35 J	-3870942.95	-3870942.85	-3870942.75	0.3720	0.0836
Mercury	-15306-06-24 06:57 J	-3868919.31	-3868919.21	-3868919.12	0.3721	0.1057
Mercury	-15300-01-06 22:04 J	-3866895.64	-3866895.58	-3866895.52	0.3723	0.2924
Mercury	-15269-09-08 01:55 J	-3855328.54	-3855328.42	-3855328.31	0.3653	0.2623
Mercury	-15261-12-29 21:50 J	-3852293.68	-3852293.59	-3852293.51	0.3718	0.2027
Mercury	-15255-07-15 12:57 J	-3850270.06	-3850269.96	-3850269.86	0.3720	0.0153
Mercury	-15249-01-29 04:04 J	-3848246.41	-3848246.33	-3848246.24	0.3722	0.1730
Mercury	-15244-08-13 19:26 J	-3846222.71	-3846222.69	-3846222.67	0.3724	0.3608
Mercury	-15212-04-15 04:48 J	-3834655.46	-3834655.30	-3834655.14	0.3653	0.0325
Mercury	-15209-01-21 03:50 J	-3833644.38	-3833644.34	-3833644.29	0.3716	0.3205
Mercury	-15204-08-05 19:11 J	-3831620.80	-3831620.70	-3831620.61	0.3718	0.1345
Mercury	-15198-02-19 10:19 J	-3829597.17	-3829597.07	-3829596.97	0.3720	0.0534
Mercury	-15193-09-04 01:26 J	-3827573.51	-3827573.44	-3827573.36	0.3722	0.2409
Mercury	-15156-11-20 07:40 J	-3813982.32	-3813982.18	-3813982.04	0.3652	0.1949
Mercury	-15153-08-27 01:11 J	-3812971.52	-3812971.45	-3812971.37	0.3717	0.2525
Mercury	-15147-03-12 16:33 J	-3810947.91	-3810947.81	-3810947.72	0.3719	0.0671
Mercury	-15142-09-26 07:40 J	-3808924.27	-3808924.18	-3808924.09	0.3721	0.1212

Mercury	-15136-04-10 22:48 J	-3806900.60	-3806900.55	-3806900.49	0.3723	0.3084
Mercury	-15105-12-10 22:19 J	-3795333.68	-3795333.57	-3795333.47	0.3654	0.2818
Mercury	-15102-09-18 07:26 J	-3794322.20	-3794322.19	-3794322.19	0.3715	0.3700
Mercury	-15096-04-02 22:33 J	-3792298.65	-3792298.56	-3792298.47	0.3718	0.1851
Mercury	-15091-10-17 13:55 J	-3790275.02	-3790274.92	-3790274.83	0.3720	0.0176
Mercury	-15085-05-02 05:02 J	-3788251.38	-3788251.29	-3788251.21	0.3721	0.1881
Mercury	-15048-07-18 01:11 J	-3774660.61	-3774660.45	-3774660.28	0.3653	0.0520
Mercury	-15045-04-24 04:48 J	-3773649.36	-3773649.30	-3773649.25	0.3716	0.3036
Mercury	-15040-11-07 19:55 J	-3771625.76	-3771625.67	-3771625.57	0.3718	0.1174
Mercury	-15034-05-24 11:02 J	-3769602.14	-3769602.04	-3769601.94	0.3720	0.0693
Mercury	-15029-12-07 02:24 J	-3767578.47	-3767578.40	-3767578.33	0.3722	0.2558

15TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 15th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-14991-02-22 04:04 J	-3753987.47	-3753987.33	-3753987.18	0.3653	0.1754		
Mercury	-14989-11-29 02:09 J	-3752976.49	-3752976.41	-3752976.34	0.3716	0.2364		
Mercury	-14983-06-14 17:16 J	-3750952.88	-3750952.78	-3750952.68	0.3718	0.0502		
Mercury	-14978-12-29 08:24 J	-3748929.24	-3748929.15	-3748929.06	0.3720	0.1365		
Mercury	-14972-07-13 23:45 J	-3746905.56	-3746905.51	-3746905.47	0.3722	0.3238		
Mercury	-14940-03-14 18:43 J	-3735338.81	-3735338.72	-3735338.63	0.3655	0.2992		
Mercury	-14938-12-21 08:09 J	-3734327.18	-3734327.16	-3734327.13	0.3715	0.3534		
Mercury	-14932-07-05 23:31 J	-3732303.61	-3732303.52	-3732303.44	0.3717	0.1685		

Mercury	-14926-01-19 14:38 J	-3730279.99	-3730279.89	-3730279.79	0.3719	0.0183
Mercury	-14921-08-04 05:45 J	-3728256.34	-3728256.26	-3728256.17	0.3721	0.2046
Mercury	-14884-10-19 21:35 J	-3714665.76	-3714665.60	-3714665.44	0.3654	0.0749
Mercury	-14881-07-27 05:31 J	-3713654.33	-3713654.27	-3713654.20	0.3715	0.2856
Mercury	-14875-02-09 20:52 J	-3711630.73	-3711630.63	-3711630.54	0.3717	0.1010
Mercury	-14870-08-26 12:00 J	-3709607.10	-3709607.00	-3709606.90	0.3719	0.0858
Mercury	-14864-03-11 03:07 J	-3707583.43	-3707583.37	-3707583.30	0.3721	0.2721
Mercury	-14827-05-27 00:28 J	-3693992.63	-3693992.48	-3693992.33	0.3654	0.1519
Mercury	-14824-03-03 02:52 J	-3692981.46	-3692981.38	-3692981.30	0.3716	0.2182
Mercury	-14819-09-16 18:00 J	-3690957.84	-3690957.75	-3690957.65	0.3718	0.0369
Mercury	-14813-04-01 09:21 J	-3688934.20	-3688934.11	-3688934.02	0.3720	0.1528
Mercury	-14808-10-16 00:28 J	-3686910.52	-3686910.48	-3686910.44	0.3722	0.3391
Mercury	-14776-06-16 14:52 J	-3675343.95	-3675343.88	-3675343.80	0.3656	0.3244
Mercury	-14773-03-24 09:07 J	-3674332.16	-3674332.12	-3674332.08	0.3714	0.3360
Mercury	-14768-10-08 00:14 J	-3672308.58	-3672308.49	-3672308.40	0.3716	0.1510
Mercury	-14762-04-23 15:21 J	-3670284.96	-3670284.86	-3670284.76	0.3718	0.0342
Mercury	-14757-11-06 06:43 J	-3668261.30	-3668261.22	-3668261.14	0.3720	0.2202
Mercury	-14719-01-21 18:00 J	-3654670.91	-3654670.75	-3654670.59	0.3655	0.0958
Mercury	-14717-10-29 06:28 J	-3653659.30	-3653659.23	-3653659.17	0.3715	0.2690
Mercury	-14711-05-14 21:35 J	-3651635.70	-3651635.60	-3651635.50	0.3717	0.0846
Mercury	-14706-11-28 12:43 J	-3649612.06	-3649611.97	-3649611.87	0.3719	0.1009
Mercury	-14700-06-13 03:50 J	-3647588.40	-3647588.34	-3647588.27	0.3720	0.2869
Mercury	-14663-08-28 21:07 J	-3633997.78	-3633997.62	-3633997.47	0.3655	0.1344
Mercury	-14660-06-05 03:35 J	-3632986.43	-3632986.35	-3632986.26	0.3715	0.2026
Mercury	-14655-12-19 18:57 J	-3630962.81	-3630962.71	-3630962.61	0.3717	0.0185
Mercury	-14649-07-04 10:04 J	-3628939.17	-3628939.08	-3628938.99	0.3719	0.1684
Mercury	-14643-01-18 01:11 J	-3626915.47	-3626915.45	-3626915.42	0.3721	0.3541
Mercury	-14612-09-18 11:31 J	-3615349.08	-3615349.02	-3615348.97	0.3657	0.3434
Mercury	-14609-06-26 09:50 J	-3614337.14	-3614337.09	-3614337.04	0.3713	0.3187
Mercury	-14606-04-05 00:00 J	-3613324.52	-3613324.50	-3613324.48	0.3654	0.3606

Mercury	-14603-01-10 00:57 J	-3612313.55	-3612313.46	-3612313.36	0.3715	0.1353
Mercury	-14598-07-26 16:19 J	-3610289.92	-3610289.82	-3610289.72	0.3717	0.0510
Mercury	-14592-02-08 07:26 J	-3608266.27	-3608266.19	-3608266.11	0.3719	0.2355
Mercury	-14555-04-25 14:24 J	-3594676.06	-3594675.90	-3594675.74	0.3656	0.1157
Mercury	-14552-01-31 07:11 J	-3593664.27	-3593664.20	-3593664.13	0.3714	0.2517
Mercury	-14547-08-16 22:19 J	-3591640.66	-3591640.57	-3591640.47	0.3716	0.0690
Mercury	-14541-03-01 13:40 J	-3589617.03	-3589616.93	-3589616.84	0.3718	0.1176
Mercury	-14536-09-15 04:48 J	-3587593.36	-3587593.30	-3587593.24	0.3720	0.3021
Mercury	-14501-02-22 13:26 J	-3575014.95	-3575014.94	-3575014.93	0.3713	0.3683
Mercury	-14499-11-30 17:16 J	-3574002.94	-3574002.78	-3574002.62	0.3655	0.1095
Mercury	-14496-09-07 04:33 J	-3572991.40	-3572991.31	-3572991.22	0.3714	0.1846
Mercury	-14490-03-23 19:40 J	-3570967.78	-3570967.68	-3570967.58	0.3717	0.0084
Mercury	-14485-10-06 11:02 J	-3568944.13	-3568944.04	-3568943.96	0.3718	0.1847
Mercury	-14479-04-22 02:09 J	-3566920.42	-3566920.41	-3566920.40	0.3720	0.3683
Mercury	-14448-12-21 07:40 J	-3555354.19	-3555354.18	-3555354.16	0.3658	0.3642
Mercury	-14445-09-28 10:48 J	-3554342.11	-3554342.05	-3554342.00	0.3713	0.3016
Mercury	-14442-07-07 20:24 J	-3553329.71	-3553329.65	-3553329.59	0.3655	0.3365
Mercury	-14439-04-14 01:55 J	-3552318.52	-3552318.42	-3552318.33	0.3715	0.1184
Mercury	-14434-10-28 17:02 J	-3550294.89	-3550294.79	-3550294.69	0.3717	0.0663
Mercury	-14428-05-13 08:09 J	-3548271.23	-3548271.16	-3548271.08	0.3719	0.2503
Mercury	-14391-07-28 10:48 J	-3534681.20	-3534681.05	-3534680.89	0.3657	0.1358
Mercury	-14388-05-05 07:55 J	-3533669.24	-3533669.17	-3533669.09	0.3713	0.2360
Mercury	-14383-11-18 23:16 J	-3531645.63	-3531645.53	-3531645.43	0.3715	0.0522
Mercury	-14377-06-03 14:24 J	-3529621.99	-3529621.90	-3529621.81	0.3717	0.1322
Mercury	-14372-12-18 05:31 J	-3527598.32	-3527598.27	-3527598.22	0.3719	0.3166
Mercury	-14337-05-26 14:09 J	-3515019.94	-3515019.91	-3515019.88	0.3712	0.3521
Mercury	-14334-03-04 13:55 J	-3514008.08	-3514007.92	-3514007.76	0.3656	0.0904
Mercury	-14332-12-10 05:16 J	-3512996.36	-3512996.28	-3512996.19	0.3714	0.1692
Mercury	-14326-06-25 20:38 J	-3510972.74	-3510972.64	-3510972.54	0.3716	0.0199
Mercury	-14320-01-08 11:45 J	-3508949.09	-3508949.01	-3508948.93	0.3718	0.1988

Mercury	-14281-12-31 11:31 J	-3494347.08	-3494347.02	-3494346.96	0.3712	0.2853
Mercury	-14278-10-09 16:48 J	-3493334.89	-3493334.80	-3493334.72	0.3656	0.3137
Mercury	-14275-07-17 02:38 J	-3492323.48	-3492323.39	-3492323.29	0.3714	0.1028
Mercury	-14269-01-30 18:00 J	-3490299.85	-3490299.75	-3490299.66	0.3716	0.0827
Mercury	-14264-08-15 09:07 J	-3488276.19	-3488276.12	-3488276.05	0.3718	0.2654
Mercury	-14227-10-30 06:57 J	-3474686.35	-3474686.21	-3474686.06	0.3658	0.1625
Mercury	-14224-08-07 08:52 J	-3473674.21	-3473674.13	-3473674.05	0.3713	0.2182
Mercury	-14218-02-21 00:00 J	-3471650.60	-3471650.50	-3471650.40	0.3715	0.0368
Mercury	-14213-09-05 15:21 J	-3469626.96	-3469626.86	-3469626.77	0.3717	0.1491
Mercury	-14207-03-22 06:28 J	-3467603.27	-3467603.23	-3467603.19	0.3719	0.3318
Mercury	-14173-08-28 15:07 J	-3455024.91	-3455024.87	-3455024.83	0.3711	0.3346
Mercury	-14170-06-06 10:04 J	-3454013.24	-3454013.08	-3454012.92	0.3657	0.0650
Mercury	-14167-03-14 06:14 J	-3453001.33	-3453001.24	-3453001.15	0.3713	0.1517
Mercury	-14162-09-27 21:21 J	-3450977.71	-3450977.61	-3450977.51	0.3715	0.0326
Mercury	-14156-04-12 12:28 J	-3448954.06	-3448953.98	-3448953.89	0.3717	0.2146
Mercury	-14116-04-04 12:28 J	-3434352.05	-3434351.98	-3434351.92	0.3712	0.2690
Mercury	-14113-01-11 13:11 J	-3433340.05	-3433339.95	-3433339.85	0.3656	0.2916
Mercury	-14111-10-19 03:35 J	-3432328.45	-3432328.35	-3432328.25	0.3714	0.0860
Mercury	-14105-05-03 18:43 J	-3430304.82	-3430304.72	-3430304.62	0.3716	0.0966
Mercury	-14100-11-17 09:50 J	-3428281.15	-3428281.09	-3428281.02	0.3718	0.2801
Mercury	-14062-02-01 03:35 J	-3414691.50	-3414691.35	-3414691.21	0.3659	0.1834
Mercury	-14060-11-09 09:35 J	-3413679.18	-3413679.10	-3413679.01	0.3712	0.2029
Mercury	-14054-05-26 00:57 J	-3411655.56	-3411655.46	-3411655.36	0.3714	0.0245
Mercury	-14049-12-08 16:04 J	-3409631.92	-3409631.83	-3409631.74	0.3716	0.1626
Mercury	-14043-06-24 07:11 J	-3407608.23	-3407608.20	-3407608.16	0.3718	0.3455
Mercury	-14009-11-30 15:50 J	-3395029.89	-3395029.84	-3395029.79	0.3711	0.3185
Mercury	-14006-09-08 06:28 J	-3394018.39	-3394018.23	-3394018.06	0.3658	0.0460
Mercury	-14003-06-16 06:57 J	-3393006.30	-3393006.21	-3393006.11	0.3713	0.1367

14TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 14th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-13998-12-30 22:19 J		-3390982.67	-3390982.57	-3390982.48	0.3715	0.0490	
Mercury	-13992-07-15 13:26 J		-3388959.02	-3388958.94	-3388958.86	0.3716	0.2291	
Mercury	-13952-07-07 13:11 J		-3374357.02	-3374356.95	-3374356.88	0.3711	0.2518	
Mercury	-13949-04-14 09:35 J		-3373345.21	-3373345.10	-3373344.99	0.3657	0.2706	
Mercury	-13946-01-21 04:19 J		-3372333.42	-3372333.32	-3372333.22	0.3713	0.0706	
Mercury	-13941-08-05 19:40 J		-3370309.78	-3370309.68	-3370309.59	0.3715	0.1135	
Mercury	-13935-02-19 10:48 J		-3368286.11	-3368286.05	-3368285.99	0.3717	0.2951	
Mercury	-13901-07-28 19:26 J		-3355707.70	-3355707.69	-3355707.68	0.3710	0.3675	
Mercury	-13898-05-06 00:00 J		-3354696.64	-3354696.50	-3354696.37	0.3660	0.2033	
Mercury	-13895-02-11 10:33 J		-3353684.15	-3353684.06	-3353683.97	0.3712	0.1856	
Mercury	-13890-08-28 01:40 J		-3351660.53	-3351660.43	-3351660.33	0.3714	0.0092	
Mercury	-13884-03-12 16:48 J		-3349636.88	-3349636.80	-3349636.71	0.3716	0.1792	
Mercury	-13879-09-26 08:09 J		-3347613.18	-3347613.16	-3347613.14	0.3717	0.3608	
Mercury	-13844-03-04 16:48 J		-3335034.86	-3335034.80	-3335034.75	0.3710	0.3015	
Mercury	-13842-12-11 02:52 J		-3334023.54	-3334023.38	-3334023.21	0.3659	0.0202	
Mercury	-13839-09-18 07:55 J		-3333011.27	-3333011.17	-3333011.08	0.3712	0.1200	
Mercury	-13833-04-02 23:02 J		-3330987.64	-3330987.54	-3330987.44	0.3714	0.0618	
Mercury	-13828-10-17 14:09 J		-3328963.98	-3328963.91	-3328963.83	0.3716	0.2442	
Mercury	-13788-10-09 14:09 J		-3314361.99	-3314361.91	-3314361.84	0.3711	0.2360	
Mercury	-13785-07-17 06:00 J		-3313350.38	-3313350.25	-3313350.13	0.3658	0.2449	

Mercury	-13782-04-25 05:16 J	-3312338.38	-3312338.28	-3312338.18	0.3713	0.0562
Mercury	-13777-11-07 20:24 J	-3310314.74	-3310314.65	-3310314.56	0.3715	0.1272
Mercury	-13771-05-24 11:31 J	-3308291.07	-3308291.02	-3308290.97	0.3716	0.3087
Mercury	-13737-10-30 20:09 J	-3295712.69	-3295712.66	-3295712.63	0.3709	0.3510
Mercury	-13734-08-07 20:24 J	-3294701.78	-3294701.65	-3294701.52	0.3660	0.2246
Mercury	-13731-05-16 11:16 J	-3293689.12	-3293689.03	-3293688.94	0.3711	0.1707
Mercury	-13726-11-30 02:38 J	-3291665.49	-3291665.39	-3291665.29	0.3713	0.0187
Mercury	-13720-06-14 17:45 J	-3289641.85	-3289641.76	-3289641.68	0.3715	0.1926
Mercury	-13680-06-06 17:31 J	-3275039.83	-3275039.77	-3275039.71	0.3709	0.2856
Mercury	-13677-03-13 23:31 J	-3274028.69	-3274028.52	-3274028.36	0.3660	0.0100
Mercury	-13675-12-21 08:38 J	-3273016.23	-3273016.14	-3273016.04	0.3711	0.1051
Mercury	-13669-07-06 00:00 J	-3270992.60	-3270992.50	-3270992.41	0.3713	0.0784
Mercury	-13663-01-19 15:07 J	-3268968.94	-3268968.87	-3268968.80	0.3715	0.2583
Mercury	-13623-01-11 14:52 J	-3254366.96	-3254366.88	-3254366.80	0.3710	0.2198
Mercury	-13621-10-19 02:09 J	-3253355.54	-3253355.41	-3253355.28	0.3659	0.2189
Mercury	-13618-07-28 06:00 J	-3252343.35	-3252343.25	-3252343.15	0.3712	0.0395
Mercury	-13612-02-09 21:07 J	-3250319.71	-3250319.62	-3250319.52	0.3714	0.1432
Mercury	-13607-08-26 12:28 J	-3248296.03	-3248295.98	-3248295.94	0.3716	0.3238
Mercury	-13572-02-01 21:07 J	-3235717.66	-3235717.62	-3235717.58	0.3708	0.3348
Mercury	-13570-11-09 16:33 J	-3234706.93	-3234706.81	-3234706.69	0.3661	0.2524
Mercury	-13567-08-18 12:14 J	-3233694.08	-3233693.99	-3233693.90	0.3710	0.1541
Mercury	-13561-03-03 03:21 J	-3231670.46	-3231670.36	-3231670.26	0.3712	0.0280
Mercury	-13556-09-16 18:28 J	-3229646.81	-3229646.73	-3229646.64	0.3714	0.2080
Mercury	-13516-09-08 18:28 J	-3215044.80	-3215044.73	-3215044.67	0.3709	0.2693
Mercury	-13513-06-15 19:40 J	-3214033.85	-3214033.68	-3214033.52	0.3660	0.0305
Mercury	-13510-03-25 09:35 J	-3213021.20	-3213021.10	-3213021.00	0.3711	0.0889
Mercury	-13505-10-08 00:43 J	-3210997.57	-3210997.47	-3210997.37	0.3713	0.0923
Mercury	-13499-04-23 15:50 J	-3208973.90	-3208973.84	-3208973.77	0.3715	0.2724
Mercury	-13459-04-15 15:35 J	-3194371.93	-3194371.85	-3194371.76	0.3709	0.2045
Mercury	-13456-01-20 22:33 J	-3193360.69	-3193360.56	-3193360.42	0.3660	0.1962

Mercury	-13454-10-30 06:57 J	-3192348.31	-3192348.21	-3192348.11	0.3711	0.0254
Mercury	-13448-05-14 22:04 J	-3190324.67	-3190324.58	-3190324.49	0.3713	0.1565
Mercury	-13443-11-28 13:11 J	-3188300.99	-3188300.95	-3188300.91	0.3715	0.3374
Mercury	-13408-05-06 21:50 J	-3175722.64	-3175722.59	-3175722.54	0.3708	0.3190
Mercury	-13405-02-11 12:57 J	-3174712.07	-3174711.96	-3174711.85	0.3662	0.2737
Mercury	-13403-11-20 12:57 J	-3173699.05	-3173698.96	-3173698.86	0.3710	0.1393
Mercury	-13397-06-05 04:19 J	-3171675.42	-3171675.32	-3171675.23	0.3712	0.0445
Mercury	-13392-12-19 19:26 J	-3169651.77	-3169651.69	-3169651.61	0.3714	0.2216
Mercury	-13352-12-11 19:11 J	-3155049.77	-3155049.70	-3155049.63	0.3708	0.2538
Mercury	-13349-09-17 16:04 J	-3154039.00	-3154038.83	-3154038.67	0.3661	0.0511
Mercury	-13346-06-27 10:19 J	-3153026.17	-3153026.07	-3153025.97	0.3710	0.0739
Mercury	-13340-01-10 01:26 J	-3151002.53	-3151002.44	-3151002.34	0.3712	0.1073
Mercury	-13335-07-26 16:48 J	-3148978.86	-3148978.80	-3148978.74	0.3714	0.2869
Mercury	-13300-01-02 01:26 J	-3136400.45	-3136400.44	-3136400.44	0.3707	0.3681
Mercury	-13295-07-18 16:33 J	-3134376.90	-3134376.81	-3134376.72	0.3709	0.1882
Mercury	-13292-04-24 19:11 J	-3133365.85	-3133365.70	-3133365.56	0.3661	0.1741
Mercury	-13289-02-01 07:40 J	-3132353.28	-3132353.18	-3132353.08	0.3711	0.0110
Mercury	-13284-08-16 22:48 J	-3130329.63	-3130329.55	-3130329.46	0.3713	0.1722
Mercury	-13278-03-02 14:09 J	-3128305.94	-3128305.91	-3128305.88	0.3714	0.3517
Mercury	-13244-08-08 22:48 J	-3115727.61	-3115727.55	-3115727.50	0.3707	0.3026
Mercury	-13241-05-15 09:21 J	-3114717.20	-3114717.11	-3114717.01	0.3663	0.2970
Mercury	-13238-02-22 13:55 J	-3113704.01	-3113703.92	-3113703.83	0.3709	0.1226
Mercury	-13233-09-07 05:02 J	-3111680.39	-3111680.29	-3111680.19	0.3711	0.0570
Mercury	-13227-03-23 20:09 J	-3109656.73	-3109656.66	-3109656.58	0.3713	0.2368
Mercury	-13187-03-15 20:09 J	-3095054.74	-3095054.66	-3095054.59	0.3708	0.2378
Mercury	-13185-12-20 12:28 J	-3094044.14	-3094043.98	-3094043.82	0.3662	0.0740
Mercury	-13182-09-29 11:16 J	-3093031.13	-3093031.03	-3093030.93	0.3710	0.0580
Mercury	-13176-04-14 02:24 J	-3091007.49	-3091007.40	-3091007.31	0.3712	0.1211
Mercury	-13171-10-28 17:31 J	-3088983.82	-3088983.77	-3088983.71	0.3714	0.3011
Mercury	-13136-04-06 02:09 J	-3076405.44	-3076405.41	-3076405.38	0.3706	0.3519

Mercury	-13131-10-20 17:16 J	-3074381.86	-3074381.78	-3074381.69	0.3708	0.1733
Mercury	-13128-07-27 15:21 J	-3073371.01	-3073370.86	-3073370.70	0.3661	0.1493
Mercury	-13125-05-05 08:38 J	-3072358.24	-3072358.14	-3072358.04	0.3710	0.0160
Mercury	-13120-11-18 23:45 J	-3070334.60	-3070334.51	-3070334.43	0.3712	0.1857
Mercury	-13114-06-04 14:52 J	-3068310.90	-3068310.88	-3068310.86	0.3714	0.3643
Mercury	-13080-11-10 23:31 J	-3055732.58	-3055732.52	-3055732.46	0.3707	0.2870
Mercury	-13077-08-17 05:45 J	-3054722.34	-3054722.26	-3054722.18	0.3664	0.3186
Mercury	-13074-05-27 14:38 J	-3053708.98	-3053708.89	-3053708.79	0.3709	0.1086
Mercury	-13069-12-10 05:45 J	-3051685.35	-3051685.26	-3051685.16	0.3711	0.0728
Mercury	-13063-06-25 21:07 J	-3049661.70	-3049661.62	-3049661.55	0.3712	0.2500
Mercury	-13023-06-17 20:52 J	-3035059.71	-3035059.63	-3035059.55	0.3707	0.2224
Mercury	-13020-03-24 08:52 J	-3034049.29	-3034049.13	-3034048.97	0.3663	0.0953
Mercury	-13017-01-01 12:00 J	-3033036.10	-3033036.00	-3033035.90	0.3709	0.0442
Mercury	-13012-07-17 03:21 J	-3031012.46	-3031012.36	-3031012.27	0.3711	0.1367
Mercury	-13006-01-30 18:28 J	-3028988.78	-3028988.73	-3028988.68	0.3713	0.3146

13TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 13th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-12972-07-09 03:07 J	-3016410.41	-3016410.37	-3016410.33	0.3706	0.3361		
Mercury	-12966-01-22 18:14 J	-3014386.83	-3014386.74	-3014386.65	0.3708	0.1572		
Mercury	-12964-10-29 11:45 J	-3013376.17	-3013376.01	-3013375.86	0.3662	0.1208		
Mercury	-12961-08-07 09:21 J	-3012363.21	-3012363.11	-3012363.01	0.3709	0.0225		

Mercury	-12955-02-21 00:28 J	-3010339.56	-3010339.48	-3010339.39	0.3711	0.2009
Mercury	-12915-02-13 00:28 J	-2995737.55	-2995737.48	-2995737.42	0.3706	0.2713
Mercury	-12913-11-19 02:09 J	-2994727.46	-2994727.41	-2994727.36	0.3665	0.3446
Mercury	-12910-08-29 15:35 J	-2993713.95	-2993713.85	-2993713.75	0.3708	0.0924
Mercury	-12907-06-05 14:38 J	-2992702.94	-2992702.89	-2992702.83	0.3662	0.3424
Mercury	-12904-03-14 06:43 J	-2991690.32	-2991690.22	-2991690.12	0.3710	0.0862
Mercury	-12899-09-27 21:50 J	-2989666.66	-2989666.59	-2989666.52	0.3712	0.2645
Mercury	-12859-09-19 21:50 J	-2975064.68	-2975064.59	-2975064.51	0.3707	0.2070
Mercury	-12856-06-26 05:02 J	-2974054.44	-2974054.29	-2974054.13	0.3664	0.1251
Mercury	-12853-04-04 12:57 J	-2973041.06	-2973040.96	-2973040.86	0.3709	0.0302
Mercury	-12848-10-19 04:04 J	-2971017.42	-2971017.33	-2971017.24	0.3711	0.1501
Mercury	-12842-05-04 19:11 J	-2968993.74	-2968993.70	-2968993.65	0.3712	0.3274
Mercury	-12808-10-11 03:50 J	-2956415.39	-2956415.34	-2956415.29	0.3705	0.3201
Mercury	-12802-04-26 18:57 J	-2954391.80	-2954391.71	-2954391.61	0.3707	0.1431
Mercury	-12799-01-31 08:09 J	-2953381.32	-2953381.16	-2953381.00	0.3663	0.0967
Mercury	-12797-11-09 10:19 J	-2952368.17	-2952368.07	-2952367.97	0.3709	0.0376
Mercury	-12791-05-26 01:26 J	-2950344.52	-2950344.44	-2950344.36	0.3711	0.2134
Mercury	-12751-05-18 01:11 J	-2935742.52	-2935742.45	-2935742.38	0.3706	0.2561
Mercury	-12748-02-20 22:33 J	-2934732.56	-2934732.56	-2934732.55	0.3665	0.3660
Mercury	-12746-12-01 16:19 J	-2933718.91	-2933718.82	-2933718.72	0.3708	0.0789
Mercury	-12743-09-07 11:16 J	-2932708.11	-2932708.03	-2932707.95	0.3662	0.3195
Mercury	-12740-06-16 07:26 J	-2931695.28	-2931695.19	-2931695.09	0.3709	0.1012
Mercury	-12735-12-30 22:48 J	-2929671.62	-2929671.55	-2929671.49	0.3711	0.2775
Mercury	-12700-06-08 07:26 J	-2917093.20	-2917093.19	-2917093.19	0.3704	0.3698
Mercury	-12695-12-22 22:33 J	-2915069.65	-2915069.56	-2915069.48	0.3706	0.1917
Mercury	-12692-09-28 01:26 J	-2914059.59	-2914059.44	-2914059.28	0.3665	0.1477
Mercury	-12689-07-07 13:40 J	-2913046.03	-2913045.93	-2913045.83	0.3708	0.0161
Mercury	-12683-01-21 04:48 J	-2911022.38	-2911022.30	-2911022.21	0.3710	0.1647
Mercury	-12678-08-06 20:09 J	-2908998.70	-2908998.66	-2908998.63	0.3712	0.3414
Mercury	-12643-01-13 04:48 J	-2896420.36	-2896420.30	-2896420.25	0.3705	0.3052

Mercury	-12638-07-29 19:55 J	-2894396.76	-2894396.67	-2894396.58	0.3706	0.1272
Mercury	-12635-05-05 04:33 J	-2893386.47	-2893386.31	-2893386.15	0.3664	0.0725
Mercury	-12632-02-11 11:02 J	-2892373.14	-2892373.04	-2892372.94	0.3708	0.0508
Mercury	-12627-08-28 02:09 J	-2890349.48	-2890349.41	-2890349.33	0.3710	0.2282
Mercury	-12587-08-20 02:09 J	-2875747.49	-2875747.41	-2875747.34	0.3705	0.2406
Mercury	-12581-03-04 17:16 J	-2873723.88	-2873723.78	-2873723.68	0.3707	0.0629
Mercury	-12579-12-10 07:26 J	-2872713.28	-2872713.19	-2872713.09	0.3663	0.2908
Mercury	-12576-09-18 08:24 J	-2871700.24	-2871700.15	-2871700.05	0.3709	0.1145
Mercury	-12570-04-03 23:31 J	-2869676.58	-2869676.52	-2869676.46	0.3711	0.2913
Mercury	-12536-09-10 08:09 J	-2857098.18	-2857098.16	-2857098.13	0.3704	0.3536
Mercury	-12530-03-26 23:31 J	-2855074.61	-2855074.52	-2855074.44	0.3706	0.1768
Mercury	-12528-12-30 22:04 J	-2854064.73	-2854064.58	-2854064.44	0.3665	0.1715
Mercury	-12525-10-09 14:38 J	-2853050.99	-2853050.89	-2853050.79	0.3707	0.0043
Mercury	-12519-04-25 05:45 J	-2851027.35	-2851027.26	-2851027.17	0.3709	0.1775
Mercury	-12514-11-08 20:52 J	-2849003.65	-2849003.63	-2849003.60	0.3711	0.3547
Mercury	-12479-04-17 05:31 J	-2836425.33	-2836425.27	-2836425.21	0.3704	0.2896
Mercury	-12474-10-31 20:38 J	-2834401.73	-2834401.64	-2834401.54	0.3706	0.1135
Mercury	-12471-08-07 00:57 J	-2833391.62	-2833391.46	-2833391.30	0.3665	0.0482
Mercury	-12468-05-16 12:00 J	-2832378.10	-2832378.00	-2832377.91	0.3708	0.0655
Mercury	-12463-11-30 03:07 J	-2830354.45	-2830354.37	-2830354.30	0.3710	0.2409
Mercury	-12423-11-22 02:52 J	-2815752.46	-2815752.38	-2815752.30	0.3705	0.2256
Mercury	-12417-06-06 18:00 J	-2813728.85	-2813728.75	-2813728.65	0.3706	0.0503
Mercury	-12414-03-14 04:04 J	-2812718.44	-2812718.33	-2812718.22	0.3664	0.2677
Mercury	-12412-12-21 09:21 J	-2811705.21	-2811705.11	-2811705.02	0.3708	0.1285
Mercury	-12406-07-07 00:28 J	-2809681.54	-2809681.48	-2809681.43	0.3710	0.3040
Mercury	-12372-12-13 09:07 J	-2797103.16	-2797103.12	-2797103.09	0.3703	0.3390
Mercury	-12366-06-29 00:14 J	-2795079.58	-2795079.49	-2795079.40	0.3705	0.1620
Mercury	-12363-04-03 18:28 J	-2794069.87	-2794069.73	-2794069.59	0.3666	0.1947
Mercury	-12360-01-11 15:21 J	-2793055.96	-2793055.86	-2793055.76	0.3707	0.0169
Mercury	-12355-07-28 06:43 J	-2791032.31	-2791032.22	-2791032.14	0.3709	0.1920

Mercury	-12349-02-10 21:50 J	-2789008.60	-2789008.59	-2789008.58	0.3710	0.3676
Mercury	-12315-07-20 06:28 J	-2776430.30	-2776430.23	-2776430.17	0.3703	0.2745
Mercury	-12309-02-02 21:35 J	-2774406.70	-2774406.60	-2774406.50	0.3705	0.0979
Mercury	-12307-11-08 21:07 J	-2773396.78	-2773396.62	-2773396.45	0.3666	0.0214
Mercury	-12304-08-18 12:43 J	-2772383.07	-2772382.97	-2772382.87	0.3707	0.0792
Mercury	-12298-03-04 04:04 J	-2770359.41	-2770359.33	-2770359.26	0.3709	0.2552
Mercury	-12258-02-24 03:50 J	-2755757.42	-2755757.34	-2755757.26	0.3704	0.2104
Mercury	-12253-09-08 18:57 J	-2753733.81	-2753733.71	-2753733.61	0.3706	0.0339
Mercury	-12250-06-16 00:14 J	-2752723.61	-2752723.49	-2752723.36	0.3665	0.2380
Mercury	-12247-03-25 10:04 J	-2751710.17	-2751710.08	-2751709.99	0.3708	0.1422
Mercury	-12242-10-09 01:11 J	-2749686.50	-2749686.45	-2749686.40	0.3710	0.3180
Mercury	-12207-03-17 09:50 J	-2737108.13	-2737108.09	-2737108.04	0.3703	0.3229
Mercury	-12202-10-01 01:11 J	-2735084.55	-2735084.45	-2735084.36	0.3704	0.1474
Mercury	-12199-07-06 14:38 J	-2734075.02	-2734074.89	-2734074.76	0.3667	0.2235
Mercury	-12196-04-15 16:19 J	-2733060.92	-2733060.82	-2733060.72	0.3706	0.0300
Mercury	-12191-10-30 07:26 J	-2731037.27	-2731037.19	-2731037.11	0.3708	0.2049
Mercury	-12151-10-22 07:11 J	-2716435.27	-2716435.20	-2716435.13	0.3703	0.2593
Mercury	-12145-05-06 22:19 J	-2714411.66	-2714411.57	-2714411.47	0.3705	0.0853
Mercury	-12142-02-10 17:45 J	-2713401.93	-2713401.76	-2713401.60	0.3666	0.0064
Mercury	-12140-11-20 13:40 J	-2712388.03	-2712387.93	-2712387.84	0.3707	0.0925
Mercury	-12134-06-06 04:48 J	-2710364.37	-2710364.30	-2710364.23	0.3709	0.2671
Mercury	-12094-05-29 04:33 J	-2695762.39	-2695762.31	-2695762.23	0.3703	0.1963
Mercury	-12089-12-11 19:40 J	-2693738.78	-2693738.68	-2693738.58	0.3705	0.0236
Mercury	-12086-09-17 20:52 J	-2692728.77	-2692728.63	-2692728.50	0.3666	0.2139
Mercury	-12083-06-27 11:02 J	-2691715.14	-2691715.04	-2691714.95	0.3707	0.1557
Mercury	-12077-01-11 02:09 J	-2689691.46	-2689691.41	-2689691.37	0.3709	0.3301
Mercury	-12043-06-19 10:48 J	-2677113.11	-2677113.05	-2677113.00	0.3702	0.3086
Mercury	-12037-01-03 01:55 J	-2675089.51	-2675089.42	-2675089.33	0.3704	0.1328
Mercury	-12035-10-08 11:02 J	-2674080.16	-2674080.04	-2674079.92	0.3668	0.2462
Mercury	-12032-07-18 17:02 J	-2673065.89	-2673065.79	-2673065.69	0.3706	0.0448

Mercury -12026-02-01 08:24 J -2671042.23 -2671042.15 -2671042.07 0.3708 0.2185

12TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 12th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-11986-01-24 08:09 J	-2656440.24	-2656440.16	-2656440.09	0.3702	0.2449		
Mercury	-11981-08-08 23:16 J	-2654416.63	-2654416.53	-2654416.43	0.3704	0.0691		
Mercury	-11978-05-15 14:09 J	-2653407.07	-2653406.91	-2653406.75	0.3667	0.0298		
Mercury	-11975-02-22 14:24 J	-2652392.99	-2652392.90	-2652392.80	0.3706	0.1065		
Mercury	-11970-09-08 05:45 J	-2650369.33	-2650369.26	-2650369.20	0.3708	0.2814		
Mercury	-11935-02-14 14:09 J	-2637790.93	-2637790.91	-2637790.88	0.3701	0.3567		
Mercury	-11930-08-31 05:31 J	-2635767.36	-2635767.27	-2635767.19	0.3703	0.1814		
Mercury	-11924-03-15 20:38 J	-2633743.74	-2633743.64	-2633743.54	0.3705	0.0060		
Mercury	-11922-12-20 17:02 J	-2632733.93	-2632733.79	-2632733.65	0.3666	0.1859		
Mercury	-11919-09-29 11:45 J	-2631720.10	-2631720.01	-2631719.92	0.3707	0.1690		
Mercury	-11913-04-14 02:52 J	-2629696.41	-2629696.38	-2629696.34	0.3709	0.3432		
Mercury	-11879-09-21 11:31 J	-2617118.08	-2617118.02	-2617117.96	0.3701	0.2933		
Mercury	-11873-04-06 02:52 J	-2615094.48	-2615094.38	-2615094.29	0.3704	0.1191		
Mercury	-11870-01-10 07:40 J	-2614085.29	-2614085.18	-2614085.07	0.3669	0.2701		
Mercury	-11868-10-20 18:00 J	-2613070.85	-2613070.75	-2613070.65	0.3705	0.0569		
Mercury	-11862-05-06 09:07 J	-2611047.20	-2611047.12	-2611047.04	0.3707	0.2307		
Mercury	-11822-04-28 08:52 J	-2596445.21	-2596445.13	-2596445.05	0.3702	0.2304		
Mercury	-11817-11-11 00:14 J	-2594421.59	-2594421.49	-2594421.40	0.3704	0.0576		

Mercury	-11814-08-17 10:33 J	-2593412.22	-2593412.06	-2593411.89	0.3668	0.0545
Mercury	-11811-05-27 15:21 J	-2592397.96	-2592397.86	-2592397.77	0.3706	0.1192
Mercury	-11806-12-11 06:28 J	-2590374.29	-2590374.23	-2590374.17	0.3708	0.2931
Mercury	-11771-05-19 15:07 J	-2577795.91	-2577795.87	-2577795.84	0.3700	0.3424
Mercury	-11766-12-03 06:14 J	-2575772.33	-2575772.24	-2575772.15	0.3703	0.1673
Mercury	-11760-06-17 21:21 J	-2573748.71	-2573748.61	-2573748.51	0.3704	0.0164
Mercury	-11757-03-23 13:40 J	-2572739.08	-2572738.93	-2572738.78	0.3667	0.1614
Mercury	-11754-01-01 12:43 J	-2571725.06	-2571724.97	-2571724.89	0.3706	0.1817
Mercury	-11749-07-17 03:50 J	-2569701.37	-2569701.34	-2569701.32	0.3708	0.3552
Mercury	-11715-12-24 12:28 J	-2557123.05	-2557122.98	-2557122.92	0.3701	0.2794
Mercury	-11709-07-09 03:35 J	-2555099.45	-2555099.35	-2555099.25	0.3703	0.1043
Mercury	-11706-04-14 04:04 J	-2554090.43	-2554090.33	-2554090.23	0.3669	0.2933
Mercury	-11703-01-22 18:43 J	-2553075.82	-2553075.72	-2553075.62	0.3705	0.0709
Mercury	-11698-08-08 10:04 J	-2551052.16	-2551052.08	-2551052.01	0.3707	0.2443
Mercury	-11658-07-31 09:50 J	-2536450.17	-2536450.09	-2536450.01	0.3701	0.2160
Mercury	-11652-02-13 00:57 J	-2534426.56	-2534426.46	-2534426.36	0.3703	0.0415
Mercury	-11650-11-19 06:57 J	-2533417.37	-2533417.21	-2533417.05	0.3669	0.0847
Mercury	-11647-08-29 16:04 J	-2532402.92	-2532402.83	-2532402.73	0.3705	0.1332
Mercury	-11641-03-14 07:26 J	-2530379.25	-2530379.19	-2530379.14	0.3707	0.3064
Mercury	-11607-08-21 15:50 J	-2517800.88	-2517800.84	-2517800.79	0.3700	0.3272
Mercury	-11601-03-06 07:11 J	-2515777.29	-2515777.20	-2515777.11	0.3702	0.1527
Mercury	-11596-09-19 22:19 J	-2513753.67	-2513753.57	-2513753.47	0.3704	0.0215
Mercury	-11593-06-25 09:50 J	-2512744.24	-2512744.09	-2512743.94	0.3668	0.1294
Mercury	-11590-04-05 13:26 J	-2511730.02	-2511729.94	-2511729.85	0.3706	0.1951
Mercury	-11585-10-19 04:33 J	-2509706.31	-2509706.31	-2509706.30	0.3707	0.3683
Mercury	-11550-03-28 13:11 J	-2497128.02	-2497127.95	-2497127.88	0.3701	0.2643
Mercury	-11545-10-11 04:33 J	-2495104.41	-2495104.31	-2495104.22	0.3702	0.0904
Mercury	-11542-07-17 00:28 J	-2494095.56	-2494095.48	-2494095.41	0.3670	0.3207
Mercury	-11539-04-26 19:40 J	-2493080.78	-2493080.68	-2493080.58	0.3704	0.0832
Mercury	-11536-01-30 12:57 J	-2492071.01	-2492070.96	-2492070.91	0.3667	0.3468

Mercury	-11534-11-10 10:48 J	-2491057.12	-2491057.05	-2491056.98	0.3706	0.2570
Mercury	-11494-11-02 10:33 J	-2476455.14	-2476455.06	-2476454.97	0.3701	0.2015
Mercury	-11488-05-18 01:55 J	-2474431.52	-2474431.42	-2474431.32	0.3703	0.0331
Mercury	-11485-02-21 03:21 J	-2473422.52	-2473422.36	-2473422.20	0.3669	0.1086
Mercury	-11483-12-01 17:02 J	-2472407.88	-2472407.79	-2472407.70	0.3705	0.1455
Mercury	-11477-06-16 08:09 J	-2470384.21	-2470384.16	-2470384.11	0.3706	0.3178
Mercury	-11443-11-23 16:48 J	-2457805.85	-2457805.80	-2457805.75	0.3700	0.3132
Mercury	-11437-06-08 07:55 J	-2455782.26	-2455782.17	-2455782.08	0.3701	0.1392
Mercury	-11432-12-22 23:02 J	-2453758.64	-2453758.54	-2453758.44	0.3703	0.0375
Mercury	-11429-09-27 06:14 J	-2452749.39	-2452749.24	-2452749.08	0.3669	0.1059
Mercury	-11426-07-08 14:24 J	-2451734.98	-2451734.90	-2451734.82	0.3705	0.2073
Mercury	-11386-06-30 14:09 J	-2437132.99	-2437132.91	-2437132.84	0.3700	0.2507
Mercury	-11380-01-13 05:16 J	-2435109.38	-2435109.28	-2435109.18	0.3702	0.0769
Mercury	-11378-10-18 20:52 J	-2434100.68	-2434100.63	-2434100.58	0.3671	0.3458
Mercury	-11375-07-29 20:24 J	-2433085.74	-2433085.65	-2433085.55	0.3704	0.0979
Mercury	-11372-05-04 09:21 J	-2432076.18	-2432076.11	-2432076.03	0.3668	0.3206
Mercury	-11369-02-12 11:45 J	-2431062.08	-2431062.01	-2431061.95	0.3705	0.2693
Mercury	-11335-07-21 20:09 J	-2418483.68	-2418483.66	-2418483.64	0.3698	0.3612
Mercury	-11329-02-04 11:31 J	-2416460.11	-2416460.02	-2416459.94	0.3700	0.1875
Mercury	-11324-08-20 02:38 J	-2414436.49	-2414436.39	-2414436.29	0.3702	0.0149
Mercury	-11321-05-24 23:45 J	-2413427.66	-2413427.51	-2413427.36	0.3670	0.1343
Mercury	-11318-03-05 17:45 J	-2412412.85	-2412412.76	-2412412.67	0.3704	0.1595
Mercury	-11313-09-18 09:07 J	-2410389.17	-2410389.12	-2410389.08	0.3706	0.3309
Mercury	-11278-02-25 17:31 J	-2397810.82	-2397810.77	-2397810.71	0.3699	0.2985
Mercury	-11273-09-10 08:52 J	-2395787.23	-2395787.13	-2395787.04	0.3701	0.1248
Mercury	-11267-03-27 00:00 J	-2393763.60	-2393763.50	-2393763.40	0.3703	0.0483
Mercury	-11265-12-30 02:52 J	-2392754.54	-2392754.38	-2392754.22	0.3669	0.0796
Mercury	-11262-10-10 15:07 J	-2391739.95	-2391739.87	-2391739.79	0.3705	0.2208
Mercury	-11222-10-02 14:52 J	-2377137.95	-2377137.88	-2377137.80	0.3699	0.2359
Mercury	-11216-04-17 06:14 J	-2375114.34	-2375114.24	-2375114.14	0.3701	0.0645

Mercury	-11211-10-31 21:21 J	-2373090.71	-2373090.61	-2373090.51	0.3703	0.1098
Mercury	-11208-08-06 05:45 J	-2372081.36	-2372081.26	-2372081.16	0.3668	0.2917
Mercury	-11205-05-16 12:28 J	-2371067.04	-2371066.98	-2371066.91	0.3705	0.2809
Mercury	-11171-10-23 21:07 J	-2358488.65	-2358488.62	-2358488.59	0.3698	0.3466
Mercury	-11165-05-08 12:14 J	-2356465.08	-2356464.99	-2356464.90	0.3700	0.1741
Mercury	-11160-11-22 03:35 J	-2354441.45	-2354441.35	-2354441.25	0.3702	0.0134
Mercury	-11157-08-26 20:24 J	-2353432.80	-2353432.65	-2353432.50	0.3671	0.1572
Mercury	-11154-06-07 18:43 J	-2352417.81	-2352417.72	-2352417.63	0.3704	0.1706
Mercury	-11149-12-21 09:50 J	-2350394.12	-2350394.09	-2350394.05	0.3705	0.3420
Mercury	-11114-05-30 18:28 J	-2337815.80	-2337815.73	-2337815.67	0.3699	0.2849
Mercury	-11109-12-13 09:35 J	-2335792.19	-2335792.10	-2335792.00	0.3700	0.1121
Mercury	-11103-06-29 00:57 J	-2333768.56	-2333768.46	-2333768.37	0.3702	0.0627
Mercury	-11100-04-02 23:16 J	-2332759.69	-2332759.53	-2332759.37	0.3670	0.0544
Mercury	-11097-01-12 16:04 J	-2331744.91	-2331744.83	-2331744.75	0.3704	0.2321
Mercury	-11057-01-04 15:50 J	-2317142.92	-2317142.84	-2317142.76	0.3699	0.2224
Mercury	-11052-07-20 06:57 J	-2315119.31	-2315119.21	-2315119.11	0.3701	0.0503
Mercury	-11046-02-02 22:19 J	-2313095.67	-2313095.57	-2313095.48	0.3703	0.1233
Mercury	-11044-11-08 02:09 J	-2312086.53	-2312086.41	-2312086.30	0.3669	0.2608
Mercury	-11041-08-18 13:26 J	-2311072.00	-2311071.94	-2311071.88	0.3704	0.2935
Mercury	-11006-01-25 21:50 J	-2298493.63	-2298493.59	-2298493.55	0.3697	0.3327
Mercury	-11001-08-10 13:11 J	-2296470.04	-2296469.95	-2296469.86	0.3699	0.1600

11TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 11th millennium BCE.

PLANET	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
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TRANSIT

TIME

Mercury	-10995-02-24 04:19 J	-2294446.42	-2294446.32	-2294446.22	0.3701	0.0147
Mercury	-10993-11-28 16:33 J	-2293437.95	-2293437.81	-2293437.67	0.3672	0.1864
Mercury	-10990-09-09 19:40 J	-2292422.77	-2292422.68	-2292422.60	0.3703	0.1844
Mercury	-10984-03-25 10:48 J	-2290399.08	-2290399.05	-2290399.03	0.3705	0.3547
Mercury	-10950-09-01 19:11 J	-2277820.76	-2277820.70	-2277820.63	0.3698	0.2703
Mercury	-10944-03-17 10:33 J	-2275797.16	-2275797.06	-2275796.96	0.3700	0.0980
Mercury	-10939-10-01 01:40 J	-2273773.53	-2273773.43	-2273773.33	0.3702	0.0742
Mercury	-10936-07-05 19:40 J	-2272764.85	-2272764.68	-2272764.52	0.3671	0.0245
Mercury	-10933-04-15 16:48 J	-2271749.87	-2271749.80	-2271749.72	0.3704	0.2449
Mercury	-10893-04-07 16:33 J	-2257147.89	-2257147.81	-2257147.72	0.3699	0.2086
Mercury	-10888-10-22 07:55 J	-2255124.27	-2255124.17	-2255124.07	0.3700	0.0368
Mercury	-10882-05-07 23:02 J	-2253100.63	-2253100.54	-2253100.45	0.3702	0.1344
Mercury	-10879-02-09 22:33 J	-2252091.68	-2252091.56	-2252091.43	0.3670	0.2341
Mercury	-10877-11-20 14:09 J	-2251076.96	-2251076.91	-2251076.85	0.3704	0.3057
Mercury	-10842-04-29 22:48 J	-2238498.60	-2238498.55	-2238498.50	0.3697	0.3189
Mercury	-10837-11-12 13:55 J	-2236475.01	-2236474.92	-2236474.82	0.3699	0.1468
Mercury	-10831-05-29 05:16 J	-2234451.38	-2234451.28	-2234451.18	0.3701	0.0279
Mercury	-10828-03-02 13:11 J	-2233443.08	-2233442.95	-2233442.82	0.3672	0.2103
Mercury	-10826-12-12 20:24 J	-2232427.73	-2232427.65	-2232427.57	0.3703	0.1954
Mercury	-10820-06-27 11:31 J	-2230404.03	-2230404.02	-2230404.01	0.3704	0.3657
Mercury	-10786-12-04 20:09 J	-2217825.73	-2217825.66	-2217825.59	0.3698	0.2569
Mercury	-10780-06-19 11:16 J	-2215802.13	-2215802.03	-2215801.93	0.3699	0.0857
Mercury	-10774-01-03 02:38 J	-2213778.49	-2213778.39	-2213778.30	0.3701	0.0867
Mercury	-10772-10-07 16:04 J	-2212769.99	-2212769.83	-2212769.66	0.3672	0.0044
Mercury	-10769-07-18 17:45 J	-2211754.83	-2211754.76	-2211754.69	0.3703	0.2562
Mercury	-10735-12-26 02:09 J	-2199176.42	-2199176.41	-2199176.40	0.3696	0.3672
Mercury	-10729-07-10 17:31 J	-2197152.86	-2197152.77	-2197152.69	0.3698	0.1953
Mercury	-10723-01-24 08:38 J	-2195129.24	-2195129.14	-2195129.04	0.3700	0.0251

Mercury	-10718-08-10 00:00 J	-2193105.60	-2193105.50	-2193105.41	0.3702	0.1476
Mercury	-10715-05-14 18:57 J	-2192096.84	-2192096.71	-2192096.57	0.3671	0.2071
Mercury	-10712-02-22 15:07 J	-2191081.92	-2191081.87	-2191081.82	0.3703	0.3172
Mercury	-10678-08-01 23:31 J	-2178503.57	-2178503.52	-2178503.46	0.3697	0.3049
Mercury	-10672-02-14 14:52 J	-2176479.98	-2176479.88	-2176479.79	0.3698	0.1333
Mercury	-10667-08-31 06:00 J	-2174456.35	-2174456.25	-2174456.15	0.3700	0.0396
Mercury	-10664-06-04 09:35 J	-2173448.22	-2173448.10	-2173447.97	0.3673	0.2369
Mercury	-10661-03-15 21:21 J	-2172432.70	-2172432.61	-2172432.53	0.3702	0.2083
Mercury	-10621-03-07 20:52 J	-2157830.70	-2157830.63	-2157830.55	0.3697	0.2432
Mercury	-10616-09-21 12:14 J	-2155807.09	-2155806.99	-2155806.89	0.3699	0.0716
Mercury	-10610-04-07 03:21 J	-2153783.45	-2153783.36	-2153783.26	0.3701	0.0993
Mercury	-10607-01-09 12:43 J	-2152775.14	-2152774.97	-2152774.81	0.3672	0.0306
Mercury	-10605-10-20 18:43 J	-2151759.79	-2151759.72	-2151759.66	0.3703	0.2690
Mercury	-10570-03-30 03:07 J	-2139181.40	-2139181.37	-2139181.35	0.3696	0.3526
Mercury	-10565-10-12 18:14 J	-2137157.82	-2137157.74	-2137157.65	0.3698	0.1817
Mercury	-10559-04-28 09:35 J	-2135134.20	-2135134.10	-2135134.00	0.3699	0.0137
Mercury	-10554-11-12 00:43 J	-2133110.56	-2133110.47	-2133110.38	0.3701	0.1596
Mercury	-10551-08-16 15:35 J	-2132101.99	-2132101.85	-2132101.71	0.3671	0.1799
Mercury	-10548-05-27 15:50 J	-2131086.88	-2131086.84	-2131086.79	0.3703	0.3285
Mercury	-10514-11-04 00:28 J	-2118508.54	-2118508.48	-2118508.42	0.3696	0.2909
Mercury	-10508-05-19 15:35 J	-2116484.94	-2116484.85	-2116484.75	0.3698	0.1211
Mercury	-10503-12-03 06:57 J	-2114461.31	-2114461.21	-2114461.11	0.3700	0.0505
Mercury	-10500-09-06 06:14 J	-2113453.35	-2113453.24	-2113453.12	0.3674	0.2593
Mercury	-10497-06-17 22:04 J	-2112437.66	-2112437.58	-2112437.50	0.3702	0.2192
Mercury	-10457-06-09 21:50 J	-2097835.67	-2097835.59	-2097835.51	0.3697	0.2302
Mercury	-10452-12-24 12:57 J	-2095812.06	-2095811.96	-2095811.86	0.3698	0.0601
Mercury	-10446-07-10 04:19 J	-2093788.42	-2093788.32	-2093788.23	0.3700	0.1110
Mercury	-10443-04-13 09:07 J	-2092780.28	-2092780.12	-2092779.96	0.3673	0.0542
Mercury	-10440-01-22 19:26 J	-2091764.75	-2091764.69	-2091764.63	0.3702	0.2797
Mercury	-10406-07-02 03:50 J	-2079186.38	-2079186.34	-2079186.30	0.3695	0.3395

Mercury	-10400-01-14 19:12 J	-2077162.79	-2077162.70	-2077162.61	0.3697	0.1687
Mercury	-10395-07-31 10:19 J	-2075139.17	-2075139.07	-2075138.97	0.3699	0.0132
Mercury	-10389-02-14 01:40 J	-2073115.52	-2073115.43	-2073115.34	0.3701	0.1714
Mercury	-10387-11-18 12:00 J	-2072107.15	-2072107.00	-2072106.85	0.3672	0.1493
Mercury	-10384-08-29 16:47 J	-2071091.84	-2071091.80	-2071091.76	0.3702	0.3401
Mercury	-10349-02-06 01:12 J	-2058513.51	-2058513.45	-2058513.38	0.3696	0.2778
Mercury	-10344-08-21 16:33 J	-2056489.91	-2056489.81	-2056489.71	0.3698	0.1071
Mercury	-10338-03-07 07:40 J	-2054466.28	-2054466.18	-2054466.08	0.3699	0.0641
Mercury	-10336-12-09 02:38 J	-2053458.49	-2053458.39	-2053458.29	0.3674	0.2877
Mercury	-10333-09-19 23:02 J	-2052442.62	-2052442.54	-2052442.47	0.3701	0.2319
Mercury	-10330-06-25 14:52 J	-2051433.92	-2051433.88	-2051433.84	0.3672	0.3557
Mercury	-10293-09-11 22:33 J	-2037840.64	-2037840.56	-2037840.47	0.3696	0.2165
Mercury	-10287-03-28 13:55 J	-2035817.02	-2035816.92	-2035816.82	0.3698	0.0460
Mercury	-10282-10-12 05:02 J	-2033793.38	-2033793.29	-2033793.19	0.3700	0.1239
Mercury	-10279-07-16 05:31 J	-2032785.43	-2032785.27	-2032785.11	0.3674	0.0836
Mercury	-10276-04-26 20:24 J	-2031769.71	-2031769.65	-2031769.59	0.3702	0.2915
Mercury	-10242-10-04 04:47 J	-2019191.35	-2019191.30	-2019191.26	0.3695	0.3255
Mercury	-10236-04-18 19:55 J	-2017167.76	-2017167.67	-2017167.58	0.3697	0.1560
Mercury	-10231-11-02 11:16 J	-2015144.13	-2015144.03	-2015143.93	0.3699	0.0146
Mercury	-10225-05-18 02:24 J	-2013120.48	-2013120.40	-2013120.31	0.3700	0.1827
Mercury	-10222-02-20 08:24 J	-2012112.30	-2012112.15	-2012111.99	0.3673	0.1225
Mercury	-10220-12-01 17:45 J	-2011096.79	-2011096.76	-2011096.74	0.3702	0.3512
Mercury	-10185-05-10 02:09 J	-1998518.48	-1998518.41	-1998518.34	0.3695	0.2650
Mercury	-10180-11-23 17:16 J	-1996494.87	-1996494.78	-1996494.68	0.3697	0.0955
Mercury	-10174-06-09 08:38 J	-1994471.24	-1994471.14	-1994471.04	0.3699	0.0745
Mercury	-10171-03-12 23:16 J	-1993463.62	-1993463.53	-1993463.45	0.3675	0.3107
Mercury	-10169-12-22 23:45 J	-1992447.58	-1992447.51	-1992447.43	0.3701	0.2426
Mercury	-10166-09-27 11:31 J	-1991439.09	-1991439.02	-1991438.95	0.3672	0.3295
Mercury	-10129-12-14 23:31 J	-1977845.61	-1977845.52	-1977845.44	0.3696	0.2039
Mercury	-10123-06-30 14:38 J	-1975821.99	-1975821.89	-1975821.79	0.3697	0.0367

Mercury	-10117-01-14 06:00 J	-1973798.34	-1973798.25	-1973798.16	0.3699	0.1346
Mercury	-10115-10-18 02:09 J	-1972790.57	-1972790.41	-1972790.26	0.3675	0.1084
Mercury	-10112-07-29 21:07 J	-1971774.67	-1971774.62	-1971774.56	0.3701	0.3024
Mercury	-10077-01-06 05:31 J	-1959196.32	-1959196.27	-1959196.22	0.3694	0.3127
Mercury	-10072-07-21 20:52 J	-1957172.72	-1957172.63	-1957172.54	0.3696	0.1429
Mercury	-10066-02-04 12:00 J	-1955149.10	-1955149.00	-1955148.90	0.3698	0.0296
Mercury	-10061-08-20 03:21 J	-1953125.45	-1953125.36	-1953125.28	0.3700	0.1948
Mercury	-10058-05-25 05:02 J	-1952117.45	-1952117.29	-1952117.13	0.3674	0.0956
Mercury	-10055-03-05 18:28 J	-1951101.74	-1951101.73	-1951101.71	0.3701	0.3621
Mercury	-10021-08-12 02:52 J	-1938523.45	-1938523.38	-1938523.30	0.3695	0.2517
Mercury	-10015-02-25 18:14 J	-1936499.84	-1936499.74	-1936499.64	0.3697	0.0818
Mercury	-10010-09-11 09:21 J	-1934476.20	-1934476.11	-1934476.01	0.3698	0.0885
Mercury	-10007-06-14 19:40 J	-1933468.74	-1933468.68	-1933468.61	0.3676	0.3367
Mercury	-10004-03-27 00:43 J	-1932452.54	-1932452.47	-1932452.40	0.3700	0.2545
Mercury	-10002-12-30 07:55 J	-1931444.26	-1931444.17	-1931444.08	0.3673	0.2994

10TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 10th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-9970-09-03 09:07 J	-1919874.14	-1919874.12	-1919874.10	0.3693	0.3602		
Mercury	-9964-03-19 00:14 J	-1917850.57	-1917850.49	-1917850.40	0.3695	0.1909		
Mercury	-9959-10-02 15:35 J	-1915826.95	-1915826.85	-1915826.75	0.3697	0.0213		
Mercury	-9953-04-17 06:43 J	-1913803.31	-1913803.22	-1913803.12	0.3699	0.1472		

Mercury	-9950-01-19 22:33 J	-1912795.71	-1912795.56	-1912795.41	0.3675	0.1346
Mercury	-9948-10-31 22:04 J	-1911779.63	-1911779.58	-1911779.53	0.3701	0.3138
Mercury	-9913-04-09 06:28 J	-1899201.29	-1899201.23	-1899201.18	0.3694	0.2994
Mercury	-9908-10-23 21:35 J	-1897177.69	-1897177.60	-1897177.50	0.3696	0.1308
Mercury	-9902-05-09 12:57 J	-1895154.06	-1895153.96	-1895153.86	0.3698	0.0381
Mercury	-9897-11-22 04:04 J	-1893130.41	-1893130.33	-1893130.24	0.3699	0.2067
Mercury	-9894-08-27 01:40 J	-1892122.59	-1892122.43	-1892122.27	0.3674	0.0700
Mercury	-9857-11-14 03:50 J	-1878528.42	-1878528.34	-1878528.27	0.3695	0.2385
Mercury	-9851-05-30 18:57 J	-1876504.81	-1876504.71	-1876504.61	0.3696	0.0714
Mercury	-9846-12-14 10:19 J	-1874481.17	-1874481.07	-1874480.97	0.3698	0.0980
Mercury	-9843-09-16 16:33 J	-1873473.85	-1873473.81	-1873473.78	0.3677	0.3585
Mercury	-9840-06-29 01:26 J	-1872457.51	-1872457.44	-1872457.37	0.3700	0.2651
Mercury	-9837-04-02 04:19 J	-1871449.42	-1871449.32	-1871449.21	0.3674	0.2721
Mercury	-9806-12-06 09:50 J	-1859879.12	-1859879.09	-1859879.06	0.3693	0.3475
Mercury	-9800-06-21 01:12 J	-1857855.54	-1857855.45	-1857855.36	0.3695	0.1783
Mercury	-9794-01-04 16:19 J	-1855831.92	-1855831.82	-1855831.72	0.3697	0.0175
Mercury	-9789-07-20 07:40 J	-1853808.27	-1853808.18	-1853808.09	0.3698	0.1577
Mercury	-9786-04-23 19:12 J	-1852800.84	-1852800.70	-1852800.55	0.3676	0.1589
Mercury	-9783-02-02 22:47 J	-1851784.59	-1851784.55	-1851784.50	0.3700	0.3244
Mercury	-9749-07-12 07:12 J	-1839206.26	-1839206.20	-1839206.14	0.3693	0.2868
Mercury	-9743-01-25 22:33 J	-1837182.66	-1837182.56	-1837182.47	0.3695	0.1178
Mercury	-9738-08-11 13:55 J	-1835159.02	-1835158.92	-1835158.83	0.3697	0.0528
Mercury	-9732-02-24 05:02 J	-1833135.37	-1833135.29	-1833135.21	0.3699	0.2172
Mercury	-9730-11-28 21:50 J	-1832127.75	-1832127.59	-1832127.42	0.3675	0.0386
Mercury	-9692-02-16 04:33 J	-1818533.39	-1818533.31	-1818533.23	0.3694	0.2258
Mercury	-9687-09-01 19:55 J	-1816509.77	-1816509.67	-1816509.57	0.3696	0.0573
Mercury	-9681-03-17 11:16 J	-1814486.13	-1814486.03	-1814485.94	0.3698	0.1111
Mercury	-9676-10-01 02:24 J	-1812462.47	-1812462.40	-1812462.34	0.3699	0.2765
Mercury	-9673-07-05 00:43 J	-1811454.59	-1811454.47	-1811454.34	0.3674	0.2394
Mercury	-9641-03-09 10:47 J	-1799884.09	-1799884.05	-1799884.01	0.3693	0.3342

Mercury	-9636-09-23 01:55 J	-1797860.50	-1797860.42	-1797860.33	0.3694	0.1659
Mercury	-9630-04-08 17:16 J	-1795836.88	-1795836.78	-1795836.68	0.3696	0.0040
Mercury	-9625-10-22 08:38 J	-1793813.23	-1793813.14	-1793813.05	0.3698	0.1699
Mercury	-9622-07-26 15:35 J	-1792805.98	-1792805.85	-1792805.71	0.3676	0.1875
Mercury	-9619-05-07 23:45 J	-1791789.55	-1791789.51	-1791789.47	0.3700	0.3347
Mercury	-9585-10-14 08:09 J	-1779211.23	-1779211.16	-1779211.10	0.3693	0.2735
Mercury	-9579-04-29 23:16 J	-1777187.62	-1777187.53	-1777187.43	0.3695	0.1064
Mercury	-9574-11-13 14:38 J	-1775163.99	-1775163.89	-1775163.79	0.3697	0.0621
Mercury	-9568-05-29 05:45 J	-1773140.33	-1773140.26	-1773140.18	0.3698	0.2281
Mercury	-9565-03-01 18:28 J	-1772132.89	-1772132.73	-1772132.57	0.3676	0.0125
Mercury	-9528-05-21 05:31 J	-1758538.35	-1758538.27	-1758538.19	0.3694	0.2138
Mercury	-9523-12-04 20:38 J	-1756514.74	-1756514.64	-1756514.54	0.3695	0.0486
Mercury	-9517-06-19 12:00 J	-1754491.09	-1754491.00	-1754490.91	0.3697	0.1208
Mercury	-9511-01-03 03:07 J	-1752467.43	-1752467.37	-1752467.30	0.3699	0.2868
Mercury	-9509-10-06 21:21 J	-1751459.74	-1751459.61	-1751459.47	0.3675	0.2143
Mercury	-9477-06-11 11:31 J	-1739889.07	-1739889.02	-1739888.97	0.3692	0.3218
Mercury	-9472-12-26 02:52 J	-1737865.47	-1737865.38	-1737865.29	0.3694	0.1538
Mercury	-9466-07-11 18:00 J	-1735841.85	-1735841.75	-1735841.64	0.3696	0.0215
Mercury	-9460-01-24 09:21 J	-1733818.20	-1733818.11	-1733818.02	0.3697	0.1800
Mercury	-9458-10-28 12:14 J	-1732811.12	-1732810.99	-1732810.86	0.3677	0.2135
Mercury	-9455-08-10 00:28 J	-1731794.51	-1731794.48	-1731794.44	0.3699	0.3457
Mercury	-9420-01-16 08:52 J	-1719216.20	-1719216.13	-1719216.06	0.3693	0.2612
Mercury	-9415-08-02 00:14 J	-1717192.59	-1717192.49	-1717192.39	0.3694	0.0937
Mercury	-9409-02-15 15:35 J	-1715168.95	-1715168.85	-1715168.76	0.3696	0.0747
Mercury	-9404-08-31 06:43 J	-1713145.29	-1713145.22	-1713145.14	0.3698	0.2391
Mercury	-9401-06-03 15:07 J	-1712138.03	-1712137.87	-1712137.71	0.3676	0.0144
Mercury	-9364-08-23 06:14 J	-1698543.32	-1698543.24	-1698543.15	0.3693	0.2012
Mercury	-9358-03-08 21:35 J	-1696519.70	-1696519.60	-1696519.50	0.3695	0.0338
Mercury	-9353-09-21 12:57 J	-1694496.06	-1694495.96	-1694495.87	0.3697	0.1331
Mercury	-9347-04-07 04:04 J	-1692472.39	-1692472.33	-1692472.27	0.3699	0.2977

Mercury	-9344-01-08 18:00 J	-1691464.89	-1691464.75	-1691464.61	0.3676	0.1852
Mercury	-9313-09-13 12:28 J	-1679894.04	-1679893.98	-1679893.93	0.3692	0.3087
Mercury	-9307-03-30 03:35 J	-1677870.44	-1677870.35	-1677870.25	0.3694	0.1417
Mercury	-9302-10-13 18:57 J	-1675846.81	-1675846.71	-1675846.61	0.3695	0.0263
Mercury	-9296-04-28 10:19 J	-1673823.16	-1673823.07	-1673822.99	0.3697	0.1915
Mercury	-9293-01-30 08:52 J	-1672816.25	-1672816.13	-1672816.01	0.3678	0.2377
Mercury	-9291-11-12 01:26 J	-1671799.46	-1671799.44	-1671799.42	0.3699	0.3559
Mercury	-9256-04-20 09:50 J	-1659221.17	-1659221.09	-1659221.02	0.3692	0.2490
Mercury	-9251-11-04 01:12 J	-1657197.55	-1657197.45	-1657197.36	0.3694	0.0831
Mercury	-9245-05-19 16:19 J	-1655173.92	-1655173.82	-1655173.72	0.3696	0.0841
Mercury	-9240-12-03 07:40 J	-1653150.26	-1653150.18	-1653150.11	0.3698	0.2499
Mercury	-9237-09-05 11:45 J	-1652143.17	-1652143.01	-1652142.85	0.3677	0.0394
Mercury	-9205-05-11 15:50 J	-1640571.86	-1640571.84	-1640571.82	0.3691	0.3569
Mercury	-9200-11-25 07:12 J	-1638548.29	-1638548.20	-1638548.12	0.3693	0.1890
Mercury	-9194-06-10 22:19 J	-1636524.67	-1636524.57	-1636524.46	0.3694	0.0276
Mercury	-9189-12-24 13:40 J	-1634501.02	-1634500.93	-1634500.84	0.3696	0.1429
Mercury	-9183-07-10 05:02 J	-1632477.35	-1632477.29	-1632477.24	0.3698	0.3079
Mercury	-9180-04-12 14:38 J	-1631470.04	-1631469.89	-1631469.74	0.3676	0.1581
Mercury	-9149-12-16 13:12 J	-1619899.01	-1619898.95	-1619898.89	0.3692	0.2967
Mercury	-9143-07-02 04:33 J	-1617875.41	-1617875.31	-1617875.22	0.3693	0.1297
Mercury	-9137-01-15 19:55 J	-1615851.77	-1615851.67	-1615851.57	0.3695	0.0393
Mercury	-9132-07-31 11:02 J	-1613828.12	-1613828.04	-1613827.95	0.3697	0.2016
Mercury	-9129-05-03 05:45 J	-1612821.38	-1612821.26	-1612821.15	0.3678	0.2603
Mercury	-9126-02-14 02:24 J	-1611804.41	-1611804.40	-1611804.39	0.3698	0.3659
Mercury	-9124-11-17 17:16 J	-1610796.82	-1610796.78	-1610796.74	0.3676	0.3521
Mercury	-9092-07-23 10:33 J	-1599226.14	-1599226.06	-1599225.98	0.3692	0.2368
Mercury	-9086-02-06 01:55 J	-1597202.52	-1597202.42	-1597202.32	0.3694	0.0700
Mercury	-9081-08-21 17:16 J	-1595178.88	-1595178.78	-1595178.69	0.3695	0.0963
Mercury	-9075-03-07 08:24 J	-1593155.22	-1593155.15	-1593155.08	0.3697	0.2603
Mercury	-9073-12-08 08:09 J	-1592148.32	-1592148.16	-1592148.00	0.3678	0.0699

Mercury	-9041-08-13 16:33 J	-1580576.84	-1580576.81	-1580576.77	0.3691	0.3441
Mercury	-9035-02-27 07:55 J	-1578553.26	-1578553.17	-1578553.08	0.3692	0.1771
Mercury	-9030-09-12 23:16 J	-1576529.63	-1576529.53	-1576529.43	0.3694	0.0117
Mercury	-9024-03-28 14:38 J	-1574505.98	-1574505.89	-1574505.80	0.3696	0.1545
Mercury	-9019-10-12 05:45 J	-1572482.31	-1572482.26	-1572482.21	0.3697	0.3184
Mercury	-9016-07-15 11:02 J	-1571475.19	-1571475.04	-1571474.89	0.3677	0.1260

9TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 9th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-8984-03-20 14:09 J	-1559903.98	-1559903.91	-1559903.85	0.3691	0.2842		
Mercury	-8979-10-04 05:16 J	-1557880.37	-1557880.28	-1557880.18	0.3693	0.1184		
Mercury	-8973-04-18 20:38 J	-1555856.74	-1555856.64	-1555856.54	0.3695	0.0484		
Mercury	-8968-11-02 12:00 J	-1553833.08	-1553833.00	-1553832.92	0.3696	0.2127		
Mercury	-8965-08-05 02:09 J	-1552826.51	-1552826.41	-1552826.31	0.3679	0.2867		
Mercury	-8959-02-19 13:55 J	-1550802.00	-1550801.92	-1550801.85	0.3676	0.3233		
Mercury	-8928-10-25 11:31 J	-1539231.10	-1539231.02	-1539230.94	0.3692	0.2246		
Mercury	-8922-05-11 02:38 J	-1537207.49	-1537207.39	-1537207.29	0.3693	0.0605		
Mercury	-8917-11-23 18:00 J	-1535183.84	-1535183.75	-1535183.65	0.3695	0.1067		
Mercury	-8911-06-09 09:21 J	-1533160.18	-1533160.11	-1533160.05	0.3697	0.2701		
Mercury	-8908-03-12 05:02 J	-1532153.45	-1532153.29	-1532153.14	0.3678	0.0942		
Mercury	-8877-11-15 17:31 J	-1520581.81	-1520581.77	-1520581.73	0.3690	0.3316		
Mercury	-8871-06-01 08:52 J	-1518558.22	-1518558.13	-1518558.04	0.3692	0.1660		

Mercury	-8866-12-16 00:14 J	-1516534.60	-1516534.49	-1516534.39	0.3694	0.0157
Mercury	-8860-06-30 15:21 J	-1514510.95	-1514510.86	-1514510.77	0.3695	0.1643
Mercury	-8854-01-14 06:43 J	-1512487.27	-1512487.22	-1512487.18	0.3697	0.3276
Mercury	-8852-10-17 07:40 J	-1511480.33	-1511480.18	-1511480.02	0.3678	0.1000
Mercury	-8820-06-22 14:52 J	-1499908.95	-1499908.88	-1499908.81	0.3691	0.2725
Mercury	-8814-01-06 06:14 J	-1497885.34	-1497885.24	-1497885.15	0.3692	0.1066
Mercury	-8809-07-21 21:35 J	-1495861.70	-1495861.60	-1495861.50	0.3694	0.0603
Mercury	-8803-02-04 12:43 J	-1493838.05	-1493837.97	-1493837.89	0.3696	0.2227
Mercury	-8801-11-06 22:47 J	-1492831.63	-1492831.55	-1492831.47	0.3680	0.3131
Mercury	-8795-05-24 10:33 J	-1490807.16	-1490807.06	-1490806.97	0.3677	0.2955
Mercury	-8763-01-27 12:14 J	-1479236.07	-1479235.99	-1479235.91	0.3691	0.2129
Mercury	-8758-08-13 03:35 J	-1477212.45	-1477212.35	-1477212.25	0.3693	0.0474
Mercury	-8752-02-25 18:57 J	-1475188.81	-1475188.71	-1475188.62	0.3694	0.1174
Mercury	-8747-09-11 10:04 J	-1473165.14	-1473165.08	-1473165.01	0.3696	0.2809
Mercury	-8744-06-14 01:40 J	-1472158.59	-1472158.43	-1472158.28	0.3679	0.1213
Mercury	-8712-02-17 18:14 J	-1460586.79	-1460586.74	-1460586.69	0.3690	0.3196
Mercury	-8707-09-03 09:35 J	-1458563.19	-1458563.10	-1458563.01	0.3692	0.1538
Mercury	-8701-03-19 00:57 J	-1456539.56	-1456539.46	-1456539.36	0.3693	0.0126
Mercury	-8696-10-02 16:19 J	-1454515.91	-1454515.82	-1454515.73	0.3695	0.1755
Mercury	-8690-04-18 07:26 J	-1452492.22	-1452492.19	-1452492.15	0.3697	0.3380
Mercury	-8687-01-19 04:19 J	-1451485.48	-1451485.32	-1451485.16	0.3678	0.0723
Mercury	-8656-09-24 15:35 J	-1439913.92	-1439913.85	-1439913.77	0.3690	0.2605
Mercury	-8650-04-10 06:57 J	-1437890.30	-1437890.21	-1437890.11	0.3692	0.0958
Mercury	-8645-10-23 22:19 J	-1435866.67	-1435866.57	-1435866.47	0.3694	0.0704
Mercury	-8639-05-09 13:40 J	-1433843.01	-1433842.93	-1433842.85	0.3696	0.2327
Mercury	-8636-02-08 19:40 J	-1432836.75	-1432836.68	-1432836.62	0.3680	0.3360
Mercury	-8631-08-26 07:12 J	-1430812.31	-1430812.20	-1430812.09	0.3677	0.2674
Mercury	-8605-10-15 21:50 J	-1421264.60	-1421264.59	-1421264.59	0.3689	0.3672
Mercury	-8599-05-01 13:12 J	-1419241.04	-1419240.95	-1419240.87	0.3691	0.2020
Mercury	-8594-11-15 04:33 J	-1417217.42	-1417217.31	-1417217.21	0.3693	0.0395

Mercury	-8588-05-30 19:40 J	-1415193.77	-1415193.68	-1415193.58	0.3694	0.1272
Mercury	-8583-12-14 11:02 J	-1413170.10	-1413170.04	-1413169.98	0.3696	0.2900
Mercury	-8580-09-15 22:19 J	-1412163.72	-1412163.57	-1412163.42	0.3679	0.1448
Mercury	-8548-05-22 19:12 J	-1400591.76	-1400591.70	-1400591.65	0.3689	0.3086
Mercury	-8543-12-06 10:33 J	-1398568.16	-1398568.06	-1398567.97	0.3691	0.1427
Mercury	-8537-06-21 01:55 J	-1396544.53	-1396544.42	-1396544.32	0.3693	0.0274
Mercury	-8531-01-04 17:02 J	-1394520.87	-1394520.79	-1394520.70	0.3695	0.1850
Mercury	-8526-07-21 08:24 J	-1392497.18	-1392497.15	-1392497.12	0.3696	0.3468
Mercury	-8523-04-23 01:12 J	-1391490.61	-1391490.45	-1391490.29	0.3679	0.0478
Mercury	-8492-12-27 16:33 J	-1379918.89	-1379918.81	-1379918.74	0.3690	0.2492
Mercury	-8486-07-13 07:55 J	-1377895.27	-1377895.17	-1377895.07	0.3692	0.0840
Mercury	-8480-01-25 23:16 J	-1375871.63	-1375871.53	-1375871.43	0.3693	0.0806
Mercury	-8475-08-11 14:24 J	-1373847.97	-1373847.90	-1373847.82	0.3695	0.2428
Mercury	-8472-05-13 16:19 J	-1372841.85	-1372841.82	-1372841.78	0.3681	0.3583
Mercury	-8467-11-28 03:35 J	-1370817.47	-1370817.35	-1370817.22	0.3678	0.2351
Mercury	-8440-01-17 22:33 J	-1361269.59	-1361269.56	-1361269.54	0.3689	0.3556
Mercury	-8435-08-03 13:55 J	-1359246.01	-1359245.92	-1359245.83	0.3690	0.1899
Mercury	-8429-02-17 05:16 J	-1357222.38	-1357222.28	-1357222.18	0.3692	0.0254
Mercury	-8424-09-01 20:38 J	-1355198.74	-1355198.64	-1355198.55	0.3694	0.1381
Mercury	-8418-03-18 11:45 J	-1353175.06	-1353175.01	-1353174.95	0.3695	0.3003
Mercury	-8416-12-18 18:57 J	-1352168.85	-1352168.71	-1352168.57	0.3680	0.1733
Mercury	-8384-08-24 19:55 J	-1340596.73	-1340596.67	-1340596.61	0.3689	0.2961
Mercury	-8378-03-10 11:16 J	-1338573.12	-1338573.03	-1338572.93	0.3691	0.1313
Mercury	-8373-09-23 02:38 J	-1336549.49	-1336549.39	-1336549.29	0.3692	0.0337
Mercury	-8367-04-08 18:00 J	-1334525.84	-1334525.75	-1334525.67	0.3694	0.1954
Mercury	-8362-10-23 09:21 J	-1332502.14	-1332502.11	-1332502.09	0.3696	0.3571
Mercury	-8359-07-25 21:35 J	-1331495.76	-1331495.60	-1331495.44	0.3679	0.0168
Mercury	-8327-03-31 17:16 J	-1319923.85	-1319923.78	-1319923.70	0.3690	0.2373
Mercury	-8322-10-15 08:38 J	-1317900.23	-1317900.14	-1317900.04	0.3691	0.0740
Mercury	-8316-04-30 00:00 J	-1315876.60	-1315876.50	-1315876.40	0.3693	0.0907

Mercury	-8311-11-13 15:21 J	-1313852.93	-1313852.86	-1313852.79	0.3695	0.2525
Mercury	-8302-03-02 00:14 J	-1310822.62	-1310822.49	-1310822.35	0.3679	0.2075
Mercury	-8276-04-21 23:16 J	-1301274.56	-1301274.53	-1301274.49	0.3688	0.3438
Mercury	-8271-11-05 14:52 J	-1299250.97	-1299250.88	-1299250.80	0.3690	0.1788
Mercury	-8265-05-21 06:00 J	-1297227.35	-1297227.25	-1297227.14	0.3692	0.0215
Mercury	-8260-12-04 21:21 J	-1295203.70	-1295203.61	-1295203.51	0.3693	0.1484
Mercury	-8254-06-20 12:43 J	-1293180.02	-1293179.97	-1293179.92	0.3695	0.3088
Mercury	-8251-03-22 15:50 J	-1292173.98	-1292173.84	-1292173.71	0.3681	0.1960
Mercury	-8220-11-26 20:52 J	-1280601.70	-1280601.63	-1280601.57	0.3689	0.2849
Mercury	-8214-06-12 12:14 J	-1278578.09	-1278577.99	-1278577.90	0.3690	0.1212
Mercury	-8209-12-26 03:35 J	-1276554.45	-1276554.35	-1276554.25	0.3692	0.0454
Mercury	-8203-07-11 18:43 J	-1274530.80	-1274530.72	-1274530.63	0.3694	0.2050
Mercury	-8197-01-25 10:04 J	-1272507.09	-1272507.08	-1272507.07	0.3695	0.3654
Mercury	-8195-10-27 18:14 J	-1271500.90	-1271500.74	-1271500.58	0.3680	0.0128
Mercury	-8163-07-03 18:14 J	-1259928.82	-1259928.74	-1259928.66	0.3689	0.2263
Mercury	-8157-01-17 09:35 J	-1257905.20	-1257905.10	-1257905.00	0.3691	0.0628
Mercury	-8152-08-02 00:57 J	-1255881.56	-1255881.46	-1255881.37	0.3693	0.1009
Mercury	-8146-02-15 16:04 J	-1253857.90	-1253857.83	-1253857.76	0.3694	0.2623
Mercury	-8138-06-03 21:07 J	-1250827.76	-1250827.62	-1250827.48	0.3679	0.1799
Mercury	-8112-07-25 00:14 J	-1241279.53	-1241279.49	-1241279.45	0.3688	0.3325
Mercury	-8106-02-07 15:35 J	-1239255.94	-1239255.85	-1239255.76	0.3690	0.1675
Mercury	-8101-08-23 06:57 J	-1237232.31	-1237232.21	-1237232.11	0.3691	0.0044
Mercury	-8095-03-08 22:19 J	-1235208.66	-1235208.57	-1235208.48	0.3693	0.1579
Mercury	-8090-09-22 13:40 J	-1233184.98	-1233184.93	-1233184.89	0.3695	0.3191
Mercury	-8087-06-24 12:28 J	-1232179.11	-1232178.98	-1232178.86	0.3681	0.2228
Mercury	-8055-02-28 21:35 J	-1220606.67	-1220606.60	-1220606.53	0.3688	0.2731
Mercury	-8050-09-14 12:57 J	-1218583.05	-1218582.96	-1218582.86	0.3690	0.1093
Mercury	-8044-03-30 04:19 J	-1216559.42	-1216559.32	-1216559.22	0.3692	0.0541
Mercury	-8039-10-13 19:40 J	-1214535.76	-1214535.68	-1214535.60	0.3693	0.2149
Mercury	-8030-01-29 15:07 J	-1211506.03	-1211505.87	-1211505.71	0.3680	0.0356

8TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 8th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-7999-10-05 18:57 J	-1199933.79	-1199933.71	-1199933.62	0.3689	0.2147		
Mercury	-7993-04-20 10:19 J	-1197910.17	-1197910.07	-1197909.97	0.3691	0.0532		
Mercury	-7988-11-04 01:40 J	-1195886.52	-1195886.43	-1195886.33	0.3692	0.1116		
Mercury	-7982-05-20 17:02 J	-1193862.86	-1193862.79	-1193862.72	0.3694	0.2708		
Mercury	-7974-09-05 17:45 J	-1190832.90	-1190832.76	-1190832.61	0.3680	0.1527		
Mercury	-7948-10-27 00:57 J	-1181284.51	-1181284.46	-1181284.41	0.3688	0.3206		
Mercury	-7942-05-12 16:19 J	-1179260.91	-1179260.82	-1179260.72	0.3689	0.1575		
Mercury	-7937-11-25 07:40 J	-1177237.28	-1177237.18	-1177237.07	0.3691	0.0184		
Mercury	-7931-06-10 23:02 J	-1175213.63	-1175213.54	-1175213.45	0.3693	0.1672		
Mercury	-7926-12-25 14:24 J	-1173189.94	-1173189.90	-1173189.86	0.3694	0.3273		
Mercury	-7923-09-26 09:21 J	-1172184.23	-1172184.11	-1172184.00	0.3682	0.2451		
Mercury	-7917-04-11 20:24 J	-1170159.70	-1170159.65	-1170159.59	0.3679	0.3408		
Mercury	-7891-06-02 22:19 J	-1160611.64	-1160611.57	-1160611.50	0.3688	0.2629		
Mercury	-7886-12-17 13:55 J	-1158588.02	-1158587.92	-1158587.83	0.3690	0.1000		
Mercury	-7880-07-02 05:16 J	-1156564.38	-1156564.28	-1156564.18	0.3691	0.0645		
Mercury	-7874-01-15 20:24 J	-1154540.73	-1154540.65	-1154540.57	0.3693	0.2240		
Mercury	-7866-05-03 12:00 J	-1151511.16	-1151511.00	-1151510.85	0.3681	0.0612		
Mercury	-7840-06-24 04:19 J	-1141962.32	-1141962.32	-1141962.32	0.3687	0.3686		
Mercury	-7834-01-07 19:55 J	-1139938.76	-1139938.67	-1139938.59	0.3689	0.2048		

Mercury	-7829-07-23 11:16 J	-1137915.13	-1137915.03	-1137914.93	0.3690	0.0422
Mercury	-7823-02-06 02:38 J	-1135891.49	-1135891.39	-1135891.30	0.3692	0.1205
Mercury	-7818-08-22 18:00 J	-1133867.82	-1133867.75	-1133867.69	0.3693	0.2807
Mercury	-7810-12-08 14:24 J	-1130838.06	-1130837.90	-1130837.75	0.3680	0.1208
Mercury	-7783-01-29 01:55 J	-1121289.48	-1121289.42	-1121289.37	0.3687	0.3099
Mercury	-7778-08-14 17:16 J	-1119265.87	-1119265.78	-1119265.69	0.3689	0.1463
Mercury	-7772-02-27 08:38 J	-1117242.24	-1117242.14	-1117242.04	0.3691	0.0163
Mercury	-7767-09-13 00:00 J	-1115218.59	-1115218.50	-1115218.41	0.3692	0.1771
Mercury	-7761-03-28 15:21 J	-1113194.90	-1113194.86	-1113194.82	0.3694	0.3368
Mercury	-7759-12-29 06:00 J	-1112189.36	-1112189.25	-1112189.15	0.3682	0.2709
Mercury	-7753-07-14 17:02 J	-1110164.87	-1110164.79	-1110164.70	0.3680	0.3084
Mercury	-7727-09-04 23:16 J	-1100616.60	-1100616.53	-1100616.46	0.3688	0.2510
Mercury	-7721-03-20 14:38 J	-1098592.99	-1098592.89	-1098592.79	0.3689	0.0885
Mercury	-7716-10-04 06:00 J	-1096569.35	-1096569.25	-1096569.15	0.3691	0.0739
Mercury	-7710-04-19 21:21 J	-1094545.69	-1094545.61	-1094545.53	0.3693	0.2334
Mercury	-7702-08-05 08:24 J	-1091516.30	-1091516.15	-1091515.99	0.3682	0.0897
Mercury	-7676-09-26 05:16 J	-1081967.30	-1081967.28	-1081967.26	0.3687	0.3566
Mercury	-7670-04-11 20:38 J	-1079943.72	-1079943.64	-1079943.55	0.3688	0.1932
Mercury	-7665-10-25 12:00 J	-1077920.10	-1077920.00	-1077919.90	0.3690	0.0333
Mercury	-7659-05-11 03:21 J	-1075896.45	-1075896.36	-1075896.26	0.3692	0.1299
Mercury	-7654-11-24 18:43 J	-1073872.78	-1073872.72	-1073872.66	0.3693	0.2896
Mercury	-7645-03-11 11:02 J	-1070843.19	-1070843.04	-1070842.88	0.3681	0.0956
Mercury	-7619-05-03 02:38 J	-1061294.45	-1061294.39	-1061294.33	0.3687	0.2987
Mercury	-7614-11-16 18:00 J	-1059270.84	-1059270.75	-1059270.65	0.3689	0.1362
Mercury	-7608-06-01 09:21 J	-1057247.21	-1057247.11	-1057247.00	0.3690	0.0295
Mercury	-7603-12-16 00:43 J	-1055223.55	-1055223.47	-1055223.38	0.3692	0.1866
Mercury	-7597-06-30 16:04 J	-1053199.86	-1053199.83	-1053199.80	0.3693	0.3447
Mercury	-7594-04-02 02:52 J	-1052194.48	-1052194.38	-1052194.29	0.3683	0.2933
Mercury	-7589-10-16 13:55 J	-1050170.02	-1050169.92	-1050169.82	0.3680	0.2817
Mercury	-7563-12-08 00:00 J	-1040621.57	-1040621.50	-1040621.42	0.3688	0.2408

Mercury	-7557-06-22 15:21 J	-1038597.95	-1038597.86	-1038597.76	0.3689	0.0804
Mercury	-7551-01-06 06:57 J	-1036574.31	-1036574.21	-1036574.12	0.3691	0.0838
Mercury	-7546-07-22 22:04 J	-1034550.65	-1034550.58	-1034550.50	0.3692	0.2426
Mercury	-7538-11-07 05:16 J	-1031521.43	-1031521.28	-1031521.13	0.3682	0.1150
Mercury	-7512-12-29 06:00 J	-1021972.28	-1021972.25	-1021972.22	0.3686	0.3463
Mercury	-7506-07-14 21:21 J	-1019948.69	-1019948.61	-1019948.52	0.3688	0.1839
Mercury	-7500-01-27 12:57 J	-1017925.06	-1017924.96	-1017924.86	0.3689	0.0225
Mercury	-7495-08-13 04:19 J	-1015901.42	-1015901.32	-1015901.23	0.3691	0.1391
Mercury	-7489-02-26 19:40 J	-1013877.74	-1013877.68	-1013877.63	0.3693	0.2983
Mercury	-7481-06-13 07:55 J	-1010848.33	-1010848.17	-1010848.01	0.3682	0.0686
Mercury	-7455-08-05 03:21 J	-1001299.42	-1001299.36	-1001299.29	0.3687	0.2884
Mercury	-7449-02-18 18:57 J	-999275.81	-999275.71	-999275.62	0.3688	0.1255
Mercury	-7444-09-03 10:19 J	-997252.17	-997252.07	-997251.97	0.3690	0.0357
Mercury	-7438-03-20 01:40 J	-995228.52	-995228.43	-995228.34	0.3692	0.1955
Mercury	-7433-10-02 17:02 J	-993204.82	-993204.79	-993204.77	0.3693	0.3539
Mercury	-7430-07-04 23:31 J	-992199.60	-992199.52	-992199.44	0.3683	0.3201
Mercury	-7424-01-18 10:33 J	-990175.18	-990175.06	-990174.94	0.3681	0.2516
Mercury	-7398-03-12 00:57 J	-980626.54	-980626.46	-980626.38	0.3687	0.2300
Mercury	-7393-09-24 16:19 J	-978602.92	-978602.82	-978602.72	0.3689	0.0679
Mercury	-7387-04-10 07:40 J	-976579.28	-976579.18	-976579.08	0.3690	0.0926
Mercury	-7382-10-24 23:02 J	-974555.61	-974555.54	-974555.47	0.3692	0.2514
Mercury	-7373-02-09 02:09 J	-971526.56	-971526.41	-971526.26	0.3683	0.1386
Mercury	-7347-04-02 06:57 J	-961977.25	-961977.21	-961977.17	0.3686	0.3352
Mercury	-7342-10-16 22:19 J	-959953.66	-959953.57	-959953.48	0.3688	0.1722
Mercury	-7336-05-01 13:40 J	-957930.03	-957929.93	-957929.83	0.3689	0.0149
Mercury	-7331-11-15 05:02 J	-955906.38	-955906.29	-955906.19	0.3691	0.1492
Mercury	-7325-05-30 20:23 J	-953882.70	-953882.65	-953882.59	0.3692	0.3062
Mercury	-7317-09-15 04:47 J	-950853.46	-950853.30	-950853.14	0.3682	0.0431
Mercury	-7291-11-07 04:19 J	-941304.39	-941304.32	-941304.26	0.3686	0.2771
Mercury	-7285-05-22 19:40 J	-939280.77	-939280.68	-939280.58	0.3688	0.1158

Mercury	-7280-12-06 11:02 J	-937257.14	-937257.04	-937256.93	0.3690	0.0477
Mercury	-7274-06-22 02:23 J	-935233.48	-935233.40	-935233.31	0.3691	0.2045
Mercury	-7268-01-04 17:45 J	-933209.77	-933209.76	-933209.74	0.3693	0.3615
Mercury	-7266-10-06 20:38 J	-932204.70	-932204.64	-932204.58	0.3684	0.3401
Mercury	-7260-04-22 07:26 J	-930180.32	-930180.19	-930180.07	0.3681	0.2247
Mercury	-7234-06-14 01:40 J	-920631.51	-920631.43	-920631.35	0.3687	0.2201
Mercury	-7229-12-27 17:02 J	-918607.89	-918607.79	-918607.68	0.3688	0.0608
Mercury	-7223-07-13 08:38 J	-916584.24	-916584.14	-916584.05	0.3690	0.1021
Mercury	-7217-01-27 00:00 J	-914560.58	-914560.50	-914560.43	0.3692	0.2599
Mercury	-7209-05-12 23:02 J	-911531.68	-911531.54	-911531.40	0.3683	0.1621
Mercury	-7183-07-05 07:40 J	-901982.23	-901982.18	-901982.14	0.3686	0.3249
Mercury	-7177-01-18 23:02 J	-899958.63	-899958.54	-899958.45	0.3687	0.1631
Mercury	-7172-08-03 14:38 J	-897935.00	-897934.89	-897934.79	0.3689	0.0121
Mercury	-7166-02-17 06:00 J	-895911.34	-895911.25	-895911.16	0.3690	0.1576
Mercury	-7161-09-01 21:21 J	-893887.66	-893887.61	-893887.56	0.3692	0.3150
Mercury	-7153-12-18 01:26 J	-890858.60	-890858.44	-890858.28	0.3683	0.0126
Mercury	-7126-02-09 05:02 J	-881309.36	-881309.29	-881309.22	0.3686	0.2670
Mercury	-7121-08-24 20:38 J	-879285.74	-879285.64	-879285.55	0.3688	0.1060
Mercury	-7115-03-10 12:00 J	-877262.10	-877262.00	-877261.90	0.3689	0.0545
Mercury	-7110-09-24 03:21 J	-875238.44	-875238.36	-875238.28	0.3691	0.2133
Mercury	-7101-01-08 17:31 J	-872209.80	-872209.77	-872209.75	0.3684	0.3634
Mercury	-7096-07-25 04:04 J	-870185.47	-870185.33	-870185.20	0.3682	0.1926
Mercury	-7070-09-16 02:38 J	-860636.48	-860636.39	-860636.31	0.3686	0.2096
Mercury	-7064-03-31 18:00 J	-858612.85	-858612.75	-858612.65	0.3688	0.0485
Mercury	-7059-10-15 09:21 J	-856589.20	-856589.11	-856589.01	0.3690	0.1110
Mercury	-7053-04-30 00:43 J	-854565.54	-854565.47	-854565.40	0.3691	0.2683
Mercury	-7045-08-14 19:55 J	-851536.81	-851536.67	-851536.54	0.3684	0.1886
Mercury	-7019-10-07 08:23 J	-841987.20	-841987.15	-841987.10	0.3685	0.3139
Mercury	-7013-04-22 00:00 J	-839963.59	-839963.50	-839963.41	0.3687	0.1523
Mercury	-7008-11-05 15:21 J	-837939.96	-837939.86	-837939.76	0.3689	0.0122

Mercury -7002-05-22 06:43 J -835916.31 -835916.22 -835916.13 0.3690 0.1662

7TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 7th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-6997-12-04 22:04 J		-833892.62	-833892.58	-833892.53	0.3692	0.3234	
Mercury	-6988-03-21 22:19 J		-830863.73	-830863.57	-830863.41	0.3683	0.0123	
Mercury	-6962-05-14 06:00 J		-821314.33	-821314.25	-821314.18	0.3686	0.2575	
Mercury	-6957-11-26 21:21 J		-819290.71	-819290.61	-819290.51	0.3687	0.0958	
Mercury	-6951-06-12 12:43 J		-817267.07	-817266.97	-817266.87	0.3689	0.0641	
Mercury	-6946-12-27 04:04 J		-815243.41	-815243.33	-815243.25	0.3691	0.2216	
Mercury	-6932-10-27 00:57 J		-810190.61	-810190.46	-810190.32	0.3683	0.1662	
Mercury	-6911-06-04 11:45 J		-802665.02	-802665.01	-802664.99	0.3685	0.3619	
Mercury	-6906-12-19 03:21 J		-800641.45	-800641.36	-800641.28	0.3686	0.1998	
Mercury	-6900-07-03 18:43 J		-798617.82	-798617.72	-798617.62	0.3688	0.0411	
Mercury	-6894-01-17 10:19 J		-796594.17	-796594.07	-796593.98	0.3689	0.1200	
Mercury	-6889-08-02 01:40 J		-794570.50	-794570.43	-794570.37	0.3691	0.2764	
Mercury	-6881-11-16 16:47 J		-791541.93	-791541.80	-791541.68	0.3684	0.2143	
Mercury	-6875-06-03 03:36 J		-789517.40	-789517.35	-789517.30	0.3682	0.3474	
Mercury	-6854-01-09 09:21 J		-781992.17	-781992.11	-781992.06	0.3685	0.3048	
Mercury	-6849-07-25 00:43 J		-779968.56	-779968.47	-779968.37	0.3687	0.1432	
Mercury	-6843-02-07 16:19 J		-777944.93	-777944.82	-777944.72	0.3688	0.0208	
Mercury	-6838-08-24 07:40 J		-775921.27	-775921.18	-775921.09	0.3690	0.1747	

Mercury	-6832-03-08 23:02 J	-773897.58	-773897.54	-773897.50	0.3691	0.3312
Mercury	-6824-06-23 19:12 J	-770868.86	-770868.70	-770868.54	0.3684	0.0390
Mercury	-6798-08-16 06:43 J	-761319.30	-761319.22	-761319.15	0.3685	0.2469
Mercury	-6792-02-28 22:19 J	-759295.67	-759295.57	-759295.48	0.3687	0.0877
Mercury	-6787-09-14 13:40 J	-757272.03	-757271.93	-757271.83	0.3689	0.0728
Mercury	-6781-03-30 05:02 J	-755248.37	-755248.29	-755248.21	0.3690	0.2300
Mercury	-6767-01-28 21:50 J	-750195.74	-750195.59	-750195.45	0.3683	0.1391
Mercury	-6747-09-06 12:43 J	-742670.00	-742669.97	-742669.95	0.3684	0.3512
Mercury	-6741-03-22 04:04 J	-740646.41	-740646.33	-740646.24	0.3686	0.1902
Mercury	-6736-10-05 19:40 J	-738622.78	-738622.68	-738622.58	0.3687	0.0299
Mercury	-6730-04-21 11:02 J	-736599.13	-736599.04	-736598.94	0.3689	0.1283
Mercury	-6725-11-04 02:23 J	-734575.46	-734575.40	-734575.33	0.3691	0.2847
Mercury	-6716-02-18 13:40 J	-731547.05	-731546.93	-731546.81	0.3685	0.2369
Mercury	-6711-09-05 00:14 J	-729522.56	-729522.49	-729522.41	0.3682	0.3183
Mercury	-6690-04-13 10:04 J	-721997.14	-721997.08	-721997.02	0.3685	0.2937
Mercury	-6685-10-27 01:40 J	-719973.53	-719973.43	-719973.34	0.3686	0.1334
Mercury	-6679-05-12 17:02 J	-717949.89	-717949.79	-717949.69	0.3688	0.0257
Mercury	-6674-11-26 08:23 J	-715926.23	-715926.15	-715926.06	0.3690	0.1836
Mercury	-6668-06-10 23:45 J	-713902.55	-713902.51	-713902.47	0.3691	0.3385
Mercury	-6660-09-25 16:04 J	-710873.98	-710873.83	-710873.67	0.3684	0.0630
Mercury	-6634-11-18 07:26 J	-701324.26	-701324.19	-701324.11	0.3685	0.2371
Mercury	-6628-06-02 23:02 J	-699300.64	-699300.54	-699300.44	0.3687	0.0776
Mercury	-6623-12-17 14:23 J	-697277.00	-697276.90	-697276.80	0.3688	0.0821
Mercury	-6617-07-02 05:45 J	-695253.33	-695253.26	-695253.18	0.3690	0.2381
Mercury	-6603-05-02 18:43 J	-690200.87	-690200.72	-690200.57	0.3683	0.1135
Mercury	-6583-12-09 13:26 J	-682674.98	-682674.94	-682674.91	0.3684	0.3412
Mercury	-6577-06-24 05:02 J	-680651.38	-680651.29	-680651.20	0.3686	0.1809
Mercury	-6571-01-07 20:23 J	-678627.75	-678627.65	-678627.55	0.3687	0.0225
Mercury	-6566-07-24 12:00 J	-676604.10	-676604.00	-676603.91	0.3689	0.1372
Mercury	-6560-02-06 03:21 J	-674580.42	-674580.36	-674580.30	0.3690	0.2925

Mercury	-6552-05-23 10:33 J	-671552.17	-671552.06	-671551.94	0.3685	0.2594
Mercury	-6547-12-07 21:07 J	-669527.72	-669527.62	-669527.53	0.3683	0.2856
Mercury	-6526-07-16 10:47 J	-662002.11	-662002.05	-662001.98	0.3684	0.2844
Mercury	-6520-01-29 02:23 J	-659978.50	-659978.40	-659978.30	0.3686	0.1242
Mercury	-6515-08-14 18:00 J	-657954.86	-657954.75	-657954.65	0.3688	0.0380
Mercury	-6509-02-28 09:21 J	-655931.20	-655931.11	-655931.03	0.3689	0.1914
Mercury	-6504-09-13 00:43 J	-653907.50	-653907.47	-653907.44	0.3691	0.3465
Mercury	-6496-12-28 12:57 J	-650879.11	-650878.96	-650878.81	0.3685	0.0898
Mercury	-6469-02-20 08:23 J	-641329.23	-641329.15	-641329.07	0.3685	0.2274
Mercury	-6464-09-04 23:45 J	-639305.61	-639305.51	-639305.41	0.3686	0.0695
Mercury	-6458-03-21 15:21 J	-637281.96	-637281.86	-637281.76	0.3688	0.0899
Mercury	-6453-10-04 06:43 J	-635258.29	-635258.22	-635258.14	0.3690	0.2462
Mercury	-6439-08-04 15:21 J	-630206.01	-630205.86	-630205.70	0.3684	0.0828
Mercury	-6418-03-13 14:09 J	-622679.95	-622679.91	-622679.86	0.3684	0.3312
Mercury	-6413-09-26 05:45 J	-620656.35	-620656.26	-620656.17	0.3685	0.1706
Mercury	-6407-04-11 21:21 J	-618632.71	-618632.61	-618632.51	0.3687	0.0145
Mercury	-6402-10-26 12:43 J	-616609.06	-616608.97	-616608.88	0.3688	0.1450
Mercury	-6396-05-11 04:04 J	-614585.39	-614585.33	-614585.27	0.3690	0.3001
Mercury	-6388-08-25 07:40 J	-611557.28	-611557.18	-611557.08	0.3686	0.2827
Mercury	-6382-03-11 18:00 J	-609532.86	-609532.75	-609532.64	0.3683	0.2583
Mercury	-6362-10-18 11:45 J	-602007.08	-602007.01	-602006.94	0.3684	0.2741
Mercury	-6356-05-03 03:07 J	-599983.46	-599983.37	-599983.27	0.3686	0.1161
Mercury	-6351-11-16 18:43 J	-597959.82	-597959.72	-597959.62	0.3687	0.0435
Mercury	-6345-06-01 10:04 J	-595936.16	-595936.08	-595935.99	0.3689	0.1990
Mercury	-6340-12-16 01:26 J	-593912.46	-593912.44	-593912.41	0.3691	0.3541
Mercury	-6331-04-01 10:04 J	-590884.23	-590884.08	-590883.93	0.3685	0.1128
Mercury	-6305-05-24 09:07 J	-581334.20	-581334.12	-581334.04	0.3685	0.2183
Mercury	-6300-12-08 00:43 J	-579310.57	-579310.47	-579310.37	0.3686	0.0595
Mercury	-6294-06-23 16:04 J	-577286.93	-577286.83	-577286.73	0.3688	0.0978
Mercury	-6288-01-06 07:26 J	-575263.26	-575263.19	-575263.11	0.3689	0.2537

Mercury	-6275-11-06 12:14 J	-570211.14	-570210.99	-570210.83	0.3684	0.0579
Mercury	-6254-06-15 14:52 J	-562684.92	-562684.88	-562684.83	0.3683	0.3224
Mercury	-6249-12-29 06:28 J	-560661.32	-560661.23	-560661.13	0.3685	0.1628
Mercury	-6243-07-14 22:04 J	-558637.68	-558637.58	-558637.48	0.3687	0.0051
Mercury	-6237-01-28 13:26 J	-556614.03	-556613.94	-556613.84	0.3688	0.1531
Mercury	-6232-08-13 05:02 J	-554590.35	-554590.29	-554590.24	0.3690	0.3073
Mercury	-6224-11-27 04:33 J	-551562.39	-551562.31	-551562.23	0.3686	0.3070
Mercury	-6218-06-13 14:52 J	-549538.00	-549537.88	-549537.76	0.3684	0.2304
Mercury	-6197-01-20 12:28 J	-542012.05	-542011.98	-542011.91	0.3684	0.2654
Mercury	-6192-08-05 04:04 J	-539988.43	-539988.33	-539988.23	0.3685	0.1065
Mercury	-6186-02-18 19:26 J	-537964.79	-537964.69	-537964.58	0.3687	0.0534
Mercury	-6181-09-03 11:02 J	-535941.13	-535941.04	-535940.96	0.3689	0.2072
Mercury	-6175-03-20 02:23 J	-533917.42	-533917.40	-533917.38	0.3690	0.3610
Mercury	-6167-07-04 06:57 J	-530889.36	-530889.21	-530889.07	0.3686	0.1396
Mercury	-6141-08-26 09:50 J	-521339.17	-521339.09	-521339.00	0.3684	0.2094
Mercury	-6135-03-12 01:26 J	-519315.54	-519315.44	-519315.34	0.3686	0.0510
Mercury	-6130-09-25 17:02 J	-517291.89	-517291.79	-517291.69	0.3687	0.1067
Mercury	-6124-04-10 08:23 J	-515268.22	-515268.15	-515268.08	0.3689	0.2614
Mercury	-6110-02-08 09:21 J	-510216.27	-510216.11	-510215.95	0.3685	0.0316
Mercury	-6090-09-17 15:50 J	-502689.89	-502689.84	-502689.79	0.3683	0.3117
Mercury	-6084-04-02 07:26 J	-500666.28	-500666.19	-500666.10	0.3685	0.1526
Mercury	-6079-10-16 23:02 J	-498642.65	-498642.54	-498642.44	0.3686	0.0129
Mercury	-6073-05-01 14:23 J	-496618.99	-496618.90	-496618.81	0.3688	0.1607
Mercury	-6068-11-15 05:45 J	-494595.31	-494595.26	-494595.21	0.3689	0.3150
Mercury	-6059-03-01 01:40 J	-491567.50	-491567.43	-491567.36	0.3687	0.3281
Mercury	-6054-09-15 11:45 J	-489543.14	-489543.01	-489542.88	0.3684	0.2032
Mercury	-6033-04-23 13:11 J	-482017.02	-482016.95	-482016.87	0.3684	0.2560
Mercury	-6028-11-07 04:48 J	-479993.40	-479993.30	-479993.20	0.3685	0.0975
Mercury	-6022-05-23 20:23 J	-477969.75	-477969.65	-477969.55	0.3687	0.0598
Mercury	-6017-12-06 11:45 J	-475946.09	-475946.01	-475945.93	0.3688	0.2151

Mercury	-6011-06-22 03:07 J	-473922.37	-473922.37	-473922.36	0.3690	0.3676
Mercury	-6003-10-06 04:04 J	-470894.47	-470894.33	-470894.19	0.3686	0.1612

6TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 6th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-5982-05-15 19:11 J		-463367.72	-463367.70	-463367.68	0.3683	0.3596	
Mercury	-5977-11-28 10:48 J		-461344.14	-461344.05	-461343.97	0.3684	0.1998	
Mercury	-5971-06-14 02:23 J		-459320.51	-459320.40	-459320.30	0.3686	0.0452	
Mercury	-5966-12-28 17:45 J		-457296.86	-457296.76	-457296.66	0.3687	0.1139	
Mercury	-5960-07-13 09:07 J		-455273.18	-455273.12	-455273.05	0.3689	0.2685	
Mercury	-5946-05-13 06:14 J		-450221.39	-450221.24	-450221.08	0.3685	0.0111	
Mercury	-5926-12-20 16:33 J		-442694.86	-442694.81	-442694.75	0.3683	0.3031	
Mercury	-5920-07-05 08:09 J		-440671.25	-440671.16	-440671.06	0.3685	0.1443	
Mercury	-5914-01-18 23:45 J		-438647.61	-438647.51	-438647.41	0.3686	0.0136	
Mercury	-5909-08-03 15:07 J		-436623.96	-436623.87	-436623.78	0.3688	0.1685	
Mercury	-5903-02-17 06:43 J		-434600.27	-434600.22	-434600.18	0.3689	0.3219	
Mercury	-5895-06-02 22:48 J		-431572.60	-431572.55	-431572.50	0.3687	0.3491	
Mercury	-5890-12-18 08:38 J		-429548.28	-429548.14	-429548.00	0.3685	0.1723	
Mercury	-5869-07-26 14:09 J		-422021.99	-422021.91	-422021.84	0.3683	0.2473	
Mercury	-5863-02-09 05:45 J		-419998.36	-419998.26	-419998.16	0.3685	0.0895	
Mercury	-5858-08-25 21:07 J		-417974.72	-417974.62	-417974.52	0.3686	0.0682	
Mercury	-5852-03-10 12:43 J		-415951.05	-415950.97	-415950.89	0.3688	0.2224	

Mercury	-5838-01-08 00:57 J	-410899.60	-410899.46	-410899.33	0.3686	0.1866
Mercury	-5833-07-24 11:02 J	-408875.09	-408875.04	-408874.99	0.3684	0.3437
Mercury	-5818-08-17 19:55 J	-403372.70	-403372.67	-403372.64	0.3682	0.3503
Mercury	-5812-03-02 11:31 J	-401349.11	-401349.02	-401348.93	0.3684	0.1909
Mercury	-5807-09-16 03:07 J	-399325.47	-399325.37	-399325.27	0.3685	0.0336
Mercury	-5801-03-31 18:43 J	-397301.82	-397301.72	-397301.63	0.3687	0.1226
Mercury	-5796-10-15 10:04 J	-395278.15	-395278.08	-395278.01	0.3688	0.2759
Mercury	-5782-08-15 03:07 J	-390226.52	-390226.37	-390226.21	0.3686	0.0231
Mercury	-5761-03-23 17:31 J	-382699.83	-382699.77	-382699.71	0.3683	0.2940
Mercury	-5756-10-07 09:07 J	-380676.22	-380676.12	-380676.03	0.3684	0.1354
Mercury	-5750-04-23 00:28 J	-378652.58	-378652.48	-378652.37	0.3686	0.0257
Mercury	-5745-11-05 16:04 J	-376628.92	-376628.83	-376628.74	0.3687	0.1760
Mercury	-5739-05-22 07:26 J	-374605.23	-374605.19	-374605.14	0.3689	0.3285
Mercury	-5725-03-21 05:45 J	-369553.41	-369553.26	-369553.12	0.3685	0.1476
Mercury	-5705-10-28 14:52 J	-362026.96	-362026.88	-362026.80	0.3683	0.2377
Mercury	-5699-05-14 06:28 J	-360003.33	-360003.23	-360003.13	0.3685	0.0804
Mercury	-5694-11-27 22:04 J	-357979.68	-357979.58	-357979.48	0.3686	0.0760
Mercury	-5688-06-12 13:26 J	-355956.02	-355955.94	-355955.86	0.3688	0.2288
Mercury	-5674-04-11 22:04 J	-350904.71	-350904.58	-350904.45	0.3687	0.2089
Mercury	-5669-10-26 08:09 J	-348880.24	-348880.16	-348880.08	0.3685	0.3167
Mercury	-5654-11-19 20:38 J	-343377.67	-343377.64	-343377.60	0.3682	0.3409
Mercury	-5648-06-04 12:14 J	-341354.07	-341353.99	-341353.90	0.3684	0.1832
Mercury	-5643-12-19 03:50 J	-339330.44	-339330.34	-339330.23	0.3685	0.0285
Mercury	-5637-07-03 19:26 J	-337306.79	-337306.69	-337306.59	0.3687	0.1292
Mercury	-5631-01-17 10:48 J	-335283.11	-335283.05	-335282.98	0.3688	0.2824
Mercury	-5618-11-17 00:14 J	-330231.64	-330231.49	-330231.33	0.3686	0.0462
Mercury	-5597-06-25 18:14 J	-322704.81	-322704.74	-322704.68	0.3683	0.2853
Mercury	-5591-01-09 09:50 J	-320681.19	-320681.09	-320680.99	0.3684	0.1275
Mercury	-5586-07-26 01:26 J	-318657.54	-318657.44	-318657.34	0.3686	0.0300
Mercury	-5580-02-07 16:48 J	-316633.88	-316633.80	-316633.71	0.3687	0.1831

Mercury	-5575-08-24 08:23 J	-314610.19	-314610.15	-314610.11	0.3689	0.3353
Mercury	-5561-06-23 02:38 J	-309558.54	-309558.39	-309558.24	0.3686	0.1202
Mercury	-5540-01-30 15:36 J	-302031.93	-302031.85	-302031.77	0.3683	0.2297
Mercury	-5535-08-16 07:11 J	-300008.30	-300008.20	-300008.10	0.3684	0.0732
Mercury	-5529-02-29 22:48 J	-297984.65	-297984.55	-297984.45	0.3686	0.0832
Mercury	-5524-09-14 14:23 J	-295960.98	-295960.90	-295960.83	0.3687	0.2366
Mercury	-5510-07-14 18:57 J	-290909.83	-290909.71	-290909.59	0.3687	0.2342
Mercury	-5504-01-28 05:02 J	-288885.39	-288885.29	-288885.19	0.3685	0.2872
Mercury	-5489-02-21 21:36 J	-283382.65	-283382.60	-283382.56	0.3682	0.3323
Mercury	-5484-09-06 13:11 J	-281359.04	-281358.95	-281358.86	0.3683	0.1741
Mercury	-5478-03-23 04:48 J	-279335.40	-279335.30	-279335.20	0.3685	0.0185
Mercury	-5473-10-05 20:23 J	-277311.75	-277311.65	-277311.56	0.3686	0.1379
Mercury	-5467-04-21 11:45 J	-275288.07	-275288.01	-275287.95	0.3688	0.2895
Mercury	-5453-02-18 21:21 J	-270236.76	-270236.61	-270236.45	0.3687	0.0699
Mercury	-5433-09-27 18:57 J	-262709.77	-262709.71	-262709.64	0.3682	0.2759
Mercury	-5427-04-13 10:33 J	-260686.15	-260686.06	-260685.96	0.3684	0.1193
Mercury	-5422-10-28 02:09 J	-258662.51	-258662.41	-258662.31	0.3685	0.0378
Mercury	-5416-05-12 17:45 J	-256638.85	-256638.76	-256638.68	0.3687	0.1903
Mercury	-5411-11-26 09:07 J	-254615.15	-254615.12	-254615.08	0.3688	0.3422
Mercury	-5397-09-24 23:45 J	-249563.66	-249563.51	-249563.36	0.3686	0.0950
Mercury	-5376-05-04 16:33 J	-242036.89	-242036.81	-242036.73	0.3683	0.2209
Mercury	-5371-11-18 08:09 J	-240013.26	-240013.16	-240013.06	0.3684	0.0643
Mercury	-5365-06-02 23:45 J	-237989.61	-237989.51	-237989.42	0.3686	0.0917
Mercury	-5360-12-17 15:07 J	-235965.94	-235965.87	-235965.79	0.3687	0.2432
Mercury	-5346-10-16 16:19 J	-230914.93	-230914.82	-230914.71	0.3688	0.2532
Mercury	-5340-05-02 02:09 J	-228890.52	-228890.41	-228890.30	0.3685	0.2604
Mercury	-5325-05-25 22:19 J	-223387.62	-223387.57	-223387.53	0.3682	0.3239
Mercury	-5320-12-09 13:55 J	-221364.01	-221363.92	-221363.83	0.3683	0.1658
Mercury	-5314-06-25 05:31 J	-219340.37	-219340.27	-219340.17	0.3685	0.0106
Mercury	-5308-01-07 21:07 J	-217316.72	-217316.62	-217316.53	0.3686	0.1436

Mercury	-5303-07-24 12:28 J	-215293.04	-215292.98	-215292.92	0.3688	0.2958
Mercury	-5289-05-22 18:28 J	-210241.88	-210241.73	-210241.58	0.3687	0.0936
Mercury	-5269-12-30 19:40 J	-202714.75	-202714.68	-202714.61	0.3682	0.2683
Mercury	-5263-07-16 11:31 J	-200691.12	-200691.02	-200690.93	0.3684	0.1123
Mercury	-5257-01-30 02:52 J	-198667.48	-198667.38	-198667.27	0.3685	0.0466
Mercury	-5252-08-14 18:28 J	-196643.81	-196643.73	-196643.64	0.3686	0.1967
Mercury	-5246-02-28 10:04 J	-194620.11	-194620.08	-194620.05	0.3688	0.3484
Mercury	-5233-12-27 20:38 J	-189568.80	-189568.64	-189568.49	0.3686	0.0656
Mercury	-5212-08-06 17:16 J	-182041.86	-182041.78	-182041.70	0.3682	0.2129
Mercury	-5206-02-20 08:52 J	-180018.23	-180018.13	-180018.03	0.3684	0.0566
Mercury	-5201-09-05 00:28 J	-177994.58	-177994.48	-177994.38	0.3685	0.0975
Mercury	-5195-03-21 16:04 J	-175970.91	-175970.83	-175970.76	0.3687	0.2503
Mercury	-5181-01-18 13:26 J	-170920.04	-170919.94	-170919.84	0.3688	0.2768
Mercury	-5176-08-03 22:48 J	-168895.67	-168895.55	-168895.42	0.3686	0.2289
Mercury	-5161-08-27 23:02 J	-163392.59	-163392.54	-163392.49	0.3681	0.3150
Mercury	-5155-03-13 14:38 J	-161368.98	-161368.89	-161368.79	0.3683	0.1584
Mercury	-5150-09-27 06:28 J	-159345.34	-159345.23	-159345.13	0.3684	0.0147
Mercury	-5144-04-11 21:50 J	-157321.68	-157321.59	-157321.49	0.3686	0.1516
Mercury	-5139-10-26 13:26 J	-155298.00	-155297.94	-155297.88	0.3687	0.3027
Mercury	-5125-08-24 15:35 J	-150247.00	-150246.85	-150246.70	0.3687	0.1187
Mercury	-5104-04-03 20:38 J	-142719.71	-142719.64	-142719.57	0.3682	0.2594
Mercury	-5099-10-18 12:14 J	-140696.09	-140695.99	-140695.89	0.3683	0.1028
Mercury	-5093-05-03 03:50 J	-138672.44	-138672.34	-138672.24	0.3685	0.0514
Mercury	-5088-11-16 19:26 J	-136648.78	-136648.69	-136648.61	0.3686	0.2040
Mercury	-5082-06-02 10:48 J	-134625.07	-134625.05	-134625.02	0.3688	0.3539
Mercury	-5068-03-31 17:45 J	-129573.92	-129573.76	-129573.60	0.3687	0.0412
Mercury	-5053-04-25 02:24 J	-124070.42	-124070.40	-124070.39	0.3681	0.3621
Mercury	-5048-11-08 18:00 J	-122046.83	-122046.75	-122046.66	0.3682	0.2046
Mercury	-5042-05-25 09:35 J	-120023.20	-120023.10	-120022.99	0.3684	0.0507
Mercury	-5037-12-08 01:12 J	-117999.54	-117999.45	-117999.35	0.3685	0.1053

Mercury	-5031-06-23 16:47 J	-115975.87	-115975.80	-115975.73	0.3687	0.2558
Mercury	-5017-04-21 10:33 J	-110925.15	-110925.06	-110924.97	0.3688	0.2977
Mercury	-5012-11-05 19:55 J	-108900.80	-108900.67	-108900.53	0.3686	0.2033

5TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 5th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-4997-11-29 23:45 J		-103397.56	-103397.51	-103397.45	0.3681	0.3066	
Mercury	-4991-06-15 15:35 J		-101373.95	-101373.85	-101373.76	0.3683	0.1510	
Mercury	-4986-12-30 07:12 J		-99350.30	-99350.20	-99350.10	0.3684	0.0071	
Mercury	-4980-07-14 22:47 J		-97326.65	-97326.55	-97326.46	0.3686	0.1576	
Mercury	-4974-01-28 14:09 J		-95302.96	-95302.91	-95302.85	0.3687	0.3081	
Mercury	-4961-11-26 12:43 J		-90252.12	-90251.97	-90251.83	0.3688	0.1436	
Mercury	-4955-06-12 22:19 J		-88227.57	-88227.57	-88227.56	0.3686	0.3676	
Mercury	-4940-07-06 21:21 J		-82724.69	-82724.61	-82724.54	0.3682	0.2517	
Mercury	-4934-01-20 12:57 J		-80701.06	-80700.96	-80700.86	0.3683	0.0963	
Mercury	-4929-08-05 04:33 J		-78677.41	-78677.31	-78677.21	0.3685	0.0586	
Mercury	-4923-02-18 20:09 J		-76653.74	-76653.66	-76653.58	0.3686	0.2101	
Mercury	-4918-09-04 11:45 J		-74630.03	-74630.01	-74630.00	0.3687	0.3602	
Mercury	-4904-07-03 14:52 J		-69579.04	-69578.88	-69578.73	0.3687	0.0157	
Mercury	-4889-07-28 03:07 J		-64075.40	-64075.37	-64075.35	0.3681	0.3540	
Mercury	-4883-02-10 18:43 J		-62051.80	-62051.72	-62051.63	0.3682	0.1974	
Mercury	-4878-08-27 10:33 J		-60028.16	-60028.06	-60027.96	0.3684	0.0427	

Mercury	-4872-03-12 02:09 J	-58004.51	-58004.41	-58004.31	0.3685	0.1118
Mercury	-4867-09-25 17:31 J	-55980.84	-55980.77	-55980.69	0.3686	0.2633
Mercury	-4853-07-24 07:40 J	-50930.25	-50930.18	-50930.10	0.3689	0.3215
Mercury	-4847-02-07 17:16 J	-48905.92	-48905.78	-48905.65	0.3687	0.1771
Mercury	-4832-03-04 00:43 J	-43402.53	-43402.47	-43402.42	0.3681	0.2986
Mercury	-4827-09-17 16:19 J	-41378.91	-41378.82	-41378.72	0.3682	0.1424
Mercury	-4821-04-02 07:55 J	-39355.27	-39355.17	-39355.06	0.3684	0.0156
Mercury	-4816-10-16 23:31 J	-37331.61	-37331.52	-37331.43	0.3685	0.1646
Mercury	-4810-05-02 15:07 J	-35307.92	-35307.87	-35307.82	0.3687	0.3146
Mercury	-4796-02-28 09:50 J	-30257.23	-30257.09	-30256.95	0.3688	0.1662
Mercury	-4791-09-14 19:26 J	-28232.75	-28232.69	-28232.63	0.3686	0.3379
Mercury	-4776-10-08 22:04 J	-22729.65	-22729.58	-22729.50	0.3681	0.2433
Mercury	-4770-04-24 13:55 J	-20706.02	-20705.92	-20705.82	0.3683	0.0890
Mercury	-4765-11-07 05:31 J	-18682.37	-18682.27	-18682.17	0.3684	0.0660
Mercury	-4759-05-23 20:52 J	-16658.71	-16658.63	-16658.54	0.3686	0.2169
Mercury	-4754-12-07 12:28 J	-14634.99	-14634.98	-14634.97	0.3687	0.3660
Mercury	-4740-10-05 12:00 J	-9584.15	-9584.00	-9583.84	0.3688	0.0131
Mercury	-4725-10-30 03:50 J	-4080.37	-4080.34	-4080.31	0.3680	0.3454
Mercury	-4719-05-15 19:40 J	-2056.77	-2056.68	-2056.59	0.3682	0.1894
Mercury	-4714-11-29 11:16 J	-33.13	-33.03	-32.93	0.3683	0.0348
Mercury	-4708-06-14 02:52 J	1990.52	1990.62	1990.72	0.3685	0.1175
Mercury	-4703-12-28 18:28 J	4014.20	4014.27	4014.34	0.3686	0.2685
Mercury	-4689-10-26 05:02 J	9064.65	9064.71	9064.77	0.3689	0.3404
Mercury	-4683-05-12 14:24 J	11088.95	11089.10	11089.24	0.3687	0.1511
Mercury	-4668-06-06 01:26 J	16592.50	16592.56	16592.62	0.3681	0.2913
Mercury	-4663-12-20 17:02 J	18616.12	18616.21	18616.31	0.3682	0.1353
Mercury	-4657-07-05 08:38 J	20639.76	20639.86	20639.97	0.3684	0.0248
Mercury	-4651-01-19 00:14 J	22663.42	22663.51	22663.60	0.3685	0.1708
Mercury	-4646-08-04 15:50 J	24687.11	24687.16	24687.21	0.3686	0.3200
Mercury	-4632-06-02 07:11 J	29737.66	29737.80	29737.93	0.3689	0.1873

Mercury	-4627-12-17 16:19 J	31762.10	31762.18	31762.27	0.3686	0.3067
Mercury	-4611-01-10 22:47 J	37265.38	37265.45	37265.53	0.3681	0.2367
Mercury	-4606-07-27 14:38 J	39289.01	39289.11	39289.21	0.3683	0.0813
Mercury	-4600-02-09 06:14 J	41312.66	41312.76	41312.86	0.3684	0.0714
Mercury	-4595-08-25 21:50 J	43336.33	43336.41	43336.49	0.3685	0.2223
Mercury	-4575-01-07 09:07 J	50410.73	50410.88	50411.04	0.3688	0.0345
Mercury	-4560-02-01 04:33 J	55914.65	55914.69	55914.73	0.3680	0.3382
Mercury	-4555-08-17 20:23 J	57938.26	57938.35	57938.44	0.3682	0.1821
Mercury	-4549-03-02 12:00 J	59961.90	59962.00	59962.11	0.3683	0.0307
Mercury	-4544-09-16 03:36 J	61985.56	61985.65	61985.75	0.3685	0.1253
Mercury	-4538-04-01 19:12 J	64009.24	64009.30	64009.37	0.3686	0.2745
Mercury	-4524-01-28 02:24 J	69059.57	69059.60	69059.62	0.3689	0.3619
Mercury	-4519-08-14 11:16 J	71083.82	71083.97	71084.12	0.3687	0.1213
Mercury	-4504-09-08 02:09 J	76587.52	76587.59	76587.65	0.3681	0.2831
Mercury	-4498-03-24 18:00 J	78611.15	78611.25	78611.34	0.3682	0.1281
Mercury	-4493-10-07 09:35 J	80634.80	80634.90	80635.00	0.3683	0.0258
Mercury	-4487-04-23 01:12 J	82658.46	82658.55	82658.64	0.3685	0.1769
Mercury	-4482-11-06 16:47 J	84682.15	84682.20	84682.24	0.3686	0.3261
Mercury	-4468-09-04 04:19 J	89732.56	89732.68	89732.81	0.3689	0.2097
Mercury	-4462-03-21 13:26 J	91756.96	91757.06	91757.16	0.3687	0.2802
Mercury	-4447-04-14 23:45 J	97260.41	97260.49	97260.57	0.3681	0.2285
Mercury	-4442-10-29 15:21 J	99284.04	99284.14	99284.24	0.3682	0.0744
Mercury	-4436-05-14 06:57 J	101307.69	101307.79	101307.89	0.3684	0.0795
Mercury	-4431-11-27 22:33 J	103331.36	103331.44	103331.52	0.3685	0.2290
Mercury	-4411-04-11 06:28 J	110405.61	110405.77	110405.92	0.3688	0.0573
Mercury	-4396-05-06 05:16 J	115909.68	115909.72	115909.77	0.3680	0.3304
Mercury	-4391-11-19 21:07 J	117933.29	117933.38	117933.47	0.3682	0.1745
Mercury	-4385-06-04 12:57 J	119956.93	119957.04	119957.14	0.3683	0.0246
Mercury	-4380-12-19 04:33 J	121980.59	121980.69	121980.78	0.3684	0.1308
Mercury	-4374-07-04 20:09 J	124004.27	124004.34	124004.40	0.3686	0.2799

Mercury	-4355-11-16 08:24 J	131078.70	131078.85	131079.00	0.3688	0.0971
Mercury	-4340-12-11 02:52 J	136582.55	136582.62	136582.69	0.3681	0.2756
Mercury	-4334-06-26 18:43 J	138606.18	138606.28	138606.38	0.3682	0.1214
Mercury	-4328-01-09 10:19 J	140629.83	140629.93	140630.03	0.3683	0.0320
Mercury	-4323-07-26 01:55 J	142653.49	142653.58	142653.67	0.3685	0.1825
Mercury	-4317-02-08 17:31 J	144677.19	144677.23	144677.27	0.3686	0.3307
Mercury	-4304-12-07 01:26 J	149727.45	149727.56	149727.68	0.3689	0.2342
Mercury	-4298-06-23 10:33 J	151751.83	151751.94	151752.06	0.3687	0.2526
Mercury	-4283-07-18 00:28 J	157255.44	157255.52	157255.60	0.3681	0.2216
Mercury	-4277-01-31 16:04 J	159279.07	159279.17	159279.27	0.3682	0.0688
Mercury	-4272-08-16 07:55 J	161302.73	161302.83	161302.93	0.3684	0.0849
Mercury	-4266-03-01 23:31 J	163326.40	163326.48	163326.55	0.3685	0.2344
Mercury	-4247-07-14 03:35 J	170400.50	170400.65	170400.80	0.3689	0.0826
Mercury	-4232-08-08 06:14 J	175904.71	175904.76	175904.80	0.3680	0.3231
Mercury	-4226-02-21 22:04 J	177928.32	177928.42	177928.51	0.3681	0.1680
Mercury	-4221-09-06 13:40 J	179951.97	179952.07	179952.17	0.3683	0.0146
Mercury	-4215-03-23 05:16 J	181975.63	181975.72	181975.82	0.3684	0.1372
Mercury	-4210-10-06 20:52 J	183999.31	183999.37	183999.43	0.3685	0.2858
Mercury	-4190-02-18 05:45 J	191073.59	191073.74	191073.89	0.3688	0.0714
Mercury	-4175-03-15 03:35 J	196577.58	196577.65	196577.72	0.3680	0.2684
Mercury	-4170-09-28 19:26 J	198601.21	198601.31	198601.41	0.3682	0.1139
Mercury	-4164-04-13 11:16 J	200624.86	200624.97	200625.07	0.3683	0.0407
Mercury	-4159-10-28 02:52 J	202648.53	202648.62	202648.70	0.3684	0.1889
Mercury	-4153-05-12 18:28 J	204672.23	204672.27	204672.30	0.3686	0.3369
Mercury	-4139-03-10 22:48 J	209722.34	209722.45	209722.56	0.3690	0.2546
Mercury	-4134-09-25 07:55 J	211746.71	211746.83	211746.95	0.3687	0.2261
Mercury	-4119-10-20 01:11 J	217250.47	217250.55	217250.64	0.3681	0.2138
Mercury	-4113-05-04 17:02 J	219274.11	219274.21	219274.31	0.3682	0.0611
Mercury	-4108-11-18 08:38 J	221297.76	221297.86	221297.96	0.3684	0.0909
Mercury	-4102-06-04 00:14 J	223321.43	223321.51	223321.59	0.3685	0.2393

Mercury	-4083-10-16 00:57 J	230395.39	230395.54	230395.69	0.3689	0.1040
Mercury	-4068-11-10 06:57 J	235899.74	235899.79	235899.84	0.3680	0.3152
Mercury	-4062-05-26 22:48 J	237923.35	237923.45	237923.54	0.3681	0.1612
Mercury	-4057-12-09 14:24 J	239947.00	239947.10	239947.21	0.3683	0.0137
Mercury	-4051-06-25 06:00 J	241970.66	241970.75	241970.85	0.3684	0.1427
Mercury	-4045-01-08 21:35 J	243994.34	243994.40	243994.47	0.3685	0.2908
Mercury	-4026-05-23 02:52 J	251068.47	251068.62	251068.78	0.3688	0.0480
Mercury	-4011-06-17 04:19 J	256572.61	256572.68	256572.76	0.3680	0.2621
Mercury	-4006-12-31 20:09 J	258596.24	258596.34	258596.44	0.3682	0.1081

4TH MILLENNIUM BCE

This is a list of transits visible from Venus in the 4th millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-4000-07-16 12:00 J		260619.90	260620.00	260620.10	0.3683	0.0447	
Mercury	-3994-01-30 03:36 J		262643.56	262643.65	262643.74	0.3684	0.1935	
Mercury	-3989-08-14 19:11 J		264667.26	264667.30	264667.33	0.3686	0.3412	
Mercury	-3975-06-12 20:23 J		269717.24	269717.35	269717.45	0.3690	0.2745	
Mercury	-3970-12-28 05:02 J		271741.58	271741.71	271741.84	0.3688	0.1969	
Mercury	-3960-07-08 10:04 J		275221.91	275221.92	275221.93	0.3679	0.3628	
Mercury	-3954-01-22 01:55 J		277245.50	277245.58	277245.67	0.3681	0.2079	
Mercury	-3949-08-06 17:45 J		279269.14	279269.24	279269.34	0.3682	0.0546	
Mercury	-3943-02-20 09:21 J		281292.79	281292.89	281292.99	0.3683	0.0972	
Mercury	-3938-09-06 00:57 J		283316.47	283316.54	283316.62	0.3685	0.2452	

Mercury	-3918-01-17 22:04 J	290390.28	290390.42	290390.57	0.3689	0.1291
Mercury	-3913-08-03 07:11 J	292414.75	292414.80	292414.84	0.3687	0.3505
Mercury	-3903-02-12 07:40 J	295894.76	295894.82	295894.87	0.3680	0.3084
Mercury	-3898-08-28 23:31 J	297918.39	297918.48	297918.57	0.3681	0.1543
Mercury	-3892-03-13 15:21 J	299942.03	299942.14	299942.24	0.3682	0.0132
Mercury	-3887-09-27 06:57 J	301965.70	301965.79	301965.88	0.3684	0.1481
Mercury	-3881-04-11 22:33 J	303989.38	303989.44	303989.50	0.3685	0.2959
Mercury	-3862-08-25 00:14 J	311063.35	311063.51	311063.66	0.3689	0.0214
Mercury	-3847-09-19 05:16 J	316567.64	316567.72	316567.79	0.3680	0.2544
Mercury	-3841-04-03 21:07 J	318591.28	318591.38	318591.48	0.3681	0.1015
Mercury	-3836-10-18 12:43 J	320614.93	320615.03	320615.13	0.3683	0.0515
Mercury	-3830-05-04 04:19 J	322638.60	322638.68	322638.77	0.3684	0.2000
Mercury	-3825-11-16 19:55 J	324662.30	324662.33	324662.37	0.3685	0.3466
Mercury	-3811-09-14 17:45 J	329712.15	329712.24	329712.32	0.3690	0.2958
Mercury	-3805-03-31 02:09 J	331736.46	331736.59	331736.73	0.3688	0.1716
Mercury	-3796-10-10 10:48 J	335216.93	335216.95	335216.98	0.3679	0.3553
Mercury	-3790-04-26 02:52 J	337240.53	337240.62	337240.70	0.3681	0.2013
Mercury	-3785-11-08 18:28 J	339264.17	339264.27	339264.38	0.3682	0.0492
Mercury	-3779-05-25 10:19 J	341287.83	341287.93	341288.03	0.3683	0.1025
Mercury	-3774-12-09 01:55 J	343311.50	343311.58	343311.65	0.3685	0.2504
Mercury	-3754-04-21 19:26 J	350385.17	350385.31	350385.46	0.3690	0.1504
Mercury	-3749-11-05 04:19 J	352409.61	352409.68	352409.76	0.3688	0.3243
Mercury	-3739-05-17 08:23 J	355889.79	355889.85	355889.91	0.3680	0.3014
Mercury	-3734-12-01 00:14 J	357913.42	357913.51	357913.61	0.3681	0.1475
Mercury	-3728-06-15 16:04 J	359937.07	359937.17	359937.27	0.3682	0.0069
Mercury	-3723-12-30 07:40 J	361960.73	361960.82	361960.92	0.3684	0.1537
Mercury	-3717-07-14 23:16 J	363984.42	363984.47	363984.53	0.3685	0.3005
Mercury	-3698-11-26 21:36 J	371058.24	371058.40	371058.55	0.3689	0.0096
Mercury	-3683-12-22 06:00 J	376562.67	376562.75	376562.82	0.3680	0.2477
Mercury	-3677-07-06 21:50 J	378586.31	378586.41	378586.51	0.3681	0.0955

Mercury	-3671-01-20 13:26 J	380609.96	380610.06	380610.17	0.3683	0.0569
Mercury	-3666-08-06 05:16 J	382633.63	382633.72	382633.80	0.3684	0.2045
Mercury	-3660-02-18 20:52 J	384657.34	384657.37	384657.39	0.3685	0.3507
Mercury	-3647-12-17 14:52 J	389707.05	389707.12	389707.20	0.3691	0.3186
Mercury	-3641-07-02 23:31 J	391731.34	391731.48	391731.62	0.3689	0.1452
Mercury	-3631-01-12 11:31 J	395211.95	395211.98	395212.01	0.3679	0.3491
Mercury	-3626-07-29 03:36 J	397235.56	397235.65	397235.73	0.3680	0.1950
Mercury	-3620-02-10 19:11 J	399259.20	399259.30	399259.41	0.3682	0.0450
Mercury	-3615-08-27 11:02 J	401282.86	401282.96	401283.06	0.3683	0.1071
Mercury	-3609-03-12 02:38 J	403306.54	403306.61	403306.69	0.3684	0.2553
Mercury	-3590-07-24 16:48 J	410380.07	410380.20	410380.34	0.3690	0.1739
Mercury	-3584-02-07 01:40 J	412404.47	412404.57	412404.66	0.3688	0.2954
Mercury	-3575-08-19 09:07 J	415884.82	415884.88	415884.94	0.3679	0.2951
Mercury	-3569-03-04 00:57 J	417908.45	417908.54	417908.64	0.3681	0.1419
Mercury	-3564-09-17 16:48 J	419932.10	419932.20	419932.30	0.3682	0.0107
Mercury	-3558-04-03 08:38 J	421955.76	421955.86	421955.95	0.3683	0.1592
Mercury	-3553-10-17 00:14 J	423979.45	423979.51	423979.56	0.3685	0.3057
Mercury	-3533-02-28 18:57 J	431053.13	431053.29	431053.44	0.3689	0.0295
Mercury	-3518-03-26 06:43 J	436557.70	436557.78	436557.86	0.3680	0.2411
Mercury	-3513-10-08 22:33 J	438581.34	438581.44	438581.54	0.3681	0.0885
Mercury	-3507-04-24 14:23 J	440605.00	440605.10	440605.20	0.3682	0.0620
Mercury	-3502-11-08 06:00 J	442628.67	442628.75	442628.84	0.3684	0.2099
Mercury	-3496-05-23 21:36 J	444652.38	444652.40	444652.43	0.3685	0.3553
Mercury	-3482-03-21 12:28 J	449701.96	449702.02	449702.08	0.3691	0.3364
Mercury	-3477-10-04 20:52 J	451726.22	451726.37	451726.52	0.3689	0.1210
Mercury	-3467-04-16 12:28 J	455206.98	455207.02	455207.05	0.3679	0.3418
Mercury	-3462-10-31 04:19 J	457230.59	457230.68	457230.77	0.3680	0.1876
Mercury	-3456-05-15 20:09 J	459254.24	459254.34	459254.44	0.3682	0.0370
Mercury	-3451-11-29 11:45 J	461277.90	461277.99	461278.09	0.3683	0.1138
Mercury	-3445-06-14 03:36 J	463301.57	463301.65	463301.72	0.3684	0.2599

Mercury	-3426-10-26 14:23 J	470374.97	470375.10	470375.23	0.3690	0.1933
Mercury	-3420-05-11 22:48 J	472399.35	472399.45	472399.56	0.3688	0.2688
Mercury	-3411-11-21 09:50 J	475879.85	475879.91	475879.98	0.3679	0.2884
Mercury	-3405-06-06 01:40 J	477903.48	477903.57	477903.67	0.3681	0.1366
Mercury	-3400-12-20 17:31 J	479927.13	479927.23	479927.34	0.3682	0.0201
Mercury	-3394-07-06 09:21 J	481950.80	481950.89	481950.98	0.3683	0.1635
Mercury	-3388-01-19 00:57 J	483974.49	483974.54	483974.59	0.3685	0.3094
Mercury	-3369-06-01 16:19 J	491048.02	491048.18	491048.33	0.3690	0.0502
Mercury	-3354-06-28 07:26 J	496552.73	496552.81	496552.89	0.3680	0.2355
Mercury	-3348-01-10 23:16 J	498576.37	498576.47	498576.57	0.3681	0.0836
Mercury	-3343-07-27 15:07 J	500600.03	500600.13	500600.23	0.3682	0.0665
Mercury	-3337-02-10 06:43 J	502623.70	502623.78	502623.87	0.3683	0.2141
Mercury	-3332-08-25 22:19 J	504647.42	504647.43	504647.45	0.3685	0.3594
Mercury	-3318-06-23 09:50 J	509696.88	509696.91	509696.95	0.3691	0.3555
Mercury	-3312-01-06 18:00 J	511721.10	511721.25	511721.40	0.3689	0.0923
Mercury	-3303-07-19 13:11 J	515202.01	515202.05	515202.09	0.3679	0.3360
Mercury	-3297-02-02 05:02 J	517225.62	517225.71	517225.80	0.3680	0.1826
Mercury	-3292-08-17 20:52 J	519249.27	519249.37	519249.47	0.3681	0.0315
Mercury	-3286-03-03 12:43 J	521272.93	521273.03	521273.12	0.3683	0.1187
Mercury	-3281-09-16 04:19 J	523296.61	523296.68	523296.75	0.3684	0.2641
Mercury	-3261-01-28 11:45 J	530369.86	530369.99	530370.11	0.3690	0.2162
Mercury	-3256-08-13 19:55 J	532394.22	532394.33	532394.45	0.3689	0.2393
Mercury	-3246-02-23 10:33 J	535874.88	535874.94	535875.01	0.3679	0.2823
Mercury	-3241-09-08 02:38 J	537898.51	537898.61	537898.70	0.3680	0.1300
Mercury	-3235-03-24 18:28 J	539922.16	539922.27	539922.37	0.3682	0.0232
Mercury	-3230-10-08 10:04 J	541945.83	541945.92	541946.01	0.3683	0.1692
Mercury	-3224-04-23 01:55 J	543969.52	543969.58	543969.63	0.3684	0.3146
Mercury	-3205-09-03 13:40 J	551042.92	551043.07	551043.22	0.3690	0.0748
Mercury	-3190-09-30 08:09 J	556547.76	556547.84	556547.92	0.3679	0.2291
Mercury	-3184-04-15 00:14 J	558571.40	558571.51	558571.61	0.3681	0.0787

Mercury	-3179-10-29 15:50 J	560595.06	560595.16	560595.27	0.3682	0.0733
Mercury	-3173-05-14 07:40 J	562618.74	562618.82	562618.90	0.3683	0.2190
Mercury	-3168-11-27 23:16 J	564642.46	564642.47	564642.48	0.3685	0.3637
Mercury	-3148-04-10 15:21 J	571715.99	571716.14	571716.29	0.3689	0.0692
Mercury	-3139-10-21 13:55 J	575197.03	575197.08	575197.12	0.3679	0.3289
Mercury	-3133-05-06 05:45 J	577220.65	577220.74	577220.83	0.3680	0.1761
Mercury	-3128-11-19 21:36 J	579244.30	579244.40	579244.51	0.3681	0.0266
Mercury	-3122-06-05 13:26 J	581267.96	581268.06	581268.16	0.3683	0.1225
Mercury	-3117-12-19 05:02 J	583291.64	583291.71	583291.78	0.3684	0.2689
Mercury	-3097-05-01 09:07 J	590364.77	590364.88	590365.00	0.3691	0.2364
Mercury	-3092-11-15 17:31 J	592389.10	592389.23	592389.35	0.3689	0.2146
Mercury	-3082-05-28 11:16 J	595869.91	595869.97	595870.04	0.3679	0.2768
Mercury	-3077-12-11 03:21 J	597893.54	597893.64	597893.74	0.3680	0.1237
Mercury	-3071-06-26 19:12 J	599917.19	599917.30	599917.40	0.3682	0.0263
Mercury	-3065-01-10 10:47 J	601940.86	601940.95	601941.05	0.3683	0.1736
Mercury	-3060-07-26 02:38 J	603964.56	603964.61	603964.66	0.3684	0.3180
Mercury	-3041-12-06 11:02 J	611037.81	611037.96	611038.10	0.3690	0.0988
Mercury	-3035-06-22 19:26 J	613062.28	613062.31	613062.34	0.3688	0.3615
Mercury	-3025-01-02 08:52 J	616542.79	616542.87	616542.96	0.3679	0.2236
Mercury	-3020-07-18 00:57 J	618566.43	618566.54	618566.64	0.3681	0.0737
Mercury	-3014-01-31 16:33 J	620590.09	620590.19	620590.30	0.3682	0.0777
Mercury	-3009-08-16 08:23 J	622613.77	622613.85	622613.93	0.3683	0.2229
Mercury	-3003-03-02 00:00 J	624637.50	624637.50	624637.51	0.3684	0.3674

3RD MILLENNIUM BCE

This is a list of transits visible from Venus in the 3rd millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-2984-07-13 12:57 J		631710.88	631711.04	631711.19	0.3690	0.0457	
Mercury	-2974-01-23 14:38 J		635192.06	635192.11	635192.15	0.3678	0.3238	
Mercury	-2969-08-08 06:28 J		637215.68	637215.77	637215.86	0.3680	0.1709	
Mercury	-2963-02-21 22:19 J		639239.33	639239.43	639239.54	0.3681	0.0241	
Mercury	-2958-09-07 14:09 J		641262.99	641263.09	641263.19	0.3682	0.1272	
Mercury	-2952-03-23 06:00 J		643286.68	643286.75	643286.81	0.3684	0.2731	
Mercury	-2933-08-03 06:28 J		650359.67	650359.77	650359.88	0.3691	0.2594	
Mercury	-2927-02-17 14:52 J		652383.98	652384.12	652384.25	0.3689	0.1883	
Mercury	-2918-08-30 12:14 J		655864.94	655865.01	655865.07	0.3679	0.2710	
Mercury	-2912-03-15 04:04 J		657888.57	657888.67	657888.77	0.3680	0.1185	
Mercury	-2907-09-28 19:55 J		659912.23	659912.33	659912.43	0.3681	0.0308	
Mercury	-2901-04-13 11:45 J		661935.90	661935.99	661936.08	0.3683	0.1777	
Mercury	-2896-10-28 03:21 J		663959.59	663959.64	663959.69	0.3684	0.3225	
Mercury	-2876-03-10 08:23 J		671032.71	671032.85	671032.99	0.3691	0.1199	
Mercury	-2871-09-24 16:47 J		673057.14	673057.20	673057.26	0.3688	0.3330	
Mercury	-2861-04-05 09:50 J		676537.82	676537.91	676537.99	0.3679	0.2179	
Mercury	-2856-10-20 01:40 J		678561.47	678561.57	678561.67	0.3680	0.0666	
Mercury	-2850-05-05 17:31 J		680585.13	680585.23	680585.33	0.3682	0.0818	
Mercury	-2845-11-18 09:07 J		682608.80	682608.88	682608.96	0.3683	0.2281	
Mercury	-2820-10-15 10:19 J		691705.78	691705.93	691706.08	0.3690	0.0223	
Mercury	-2810-04-27 15:21 J		695187.09	695187.14	695187.19	0.3678	0.3172	
Mercury	-2805-11-10 07:12 J		697210.71	697210.80	697210.90	0.3680	0.1657	
Mercury	-2799-05-26 23:16 J		699234.36	699234.47	699234.57	0.3681	0.0214	
Mercury	-2794-12-10 14:52 J		701258.03	701258.12	701258.22	0.3682	0.1329	
Mercury	-2788-06-25 06:43 J		703281.71	703281.78	703281.84	0.3683	0.2764	
Mercury	-2769-11-05 04:19 J		710354.58	710354.68	710354.77	0.3691	0.2778	

Mercury	-2763-05-22 12:14 J	712378.87	712379.01	712379.15	0.3689	0.1630
Mercury	-2754-12-02 12:57 J	715859.97	715860.04	715860.11	0.3679	0.2643
Mercury	-2748-06-17 04:47 J	717883.60	717883.70	717883.80	0.3680	0.1138
Mercury	-2743-12-31 20:38 J	719907.26	719907.36	719907.47	0.3681	0.0372
Mercury	-2737-07-16 12:28 J	721930.93	721931.02	721931.11	0.3682	0.1815
Mercury	-2731-01-30 04:04 J	723954.63	723954.67	723954.72	0.3684	0.3257
Mercury	-2712-06-12 06:00 J	731027.61	731027.75	731027.89	0.3691	0.1399
Mercury	-2707-12-27 13:55 J	733052.00	733052.08	733052.17	0.3689	0.3031
Mercury	-2703-12-23 18:28 J	734509.26	734509.27	734509.28	0.3678	0.3648
Mercury	-2697-07-08 10:33 J	736532.85	736532.94	736533.02	0.3679	0.2130
Mercury	-2691-01-22 02:23 J	738556.50	738556.60	738556.70	0.3680	0.0625
Mercury	-2686-08-07 18:14 J	740580.16	740580.26	740580.36	0.3682	0.0857
Mercury	-2680-02-20 10:04 J	742603.84	742603.92	742604.00	0.3683	0.2314
Mercury	-2655-01-17 07:40 J	751700.67	751700.82	751700.97	0.3690	0.0067
Mercury	-2646-07-30 16:04 J	755182.11	755182.17	755182.22	0.3678	0.3121
Mercury	-2640-02-12 07:55 J	757205.74	757205.83	757205.93	0.3679	0.1609
Mercury	-2635-08-29 00:00 J	759229.39	759229.50	759229.60	0.3681	0.0156
Mercury	-2629-03-13 15:50 J	761253.06	761253.16	761253.25	0.3682	0.1366
Mercury	-2624-09-27 07:26 J	763276.75	763276.81	763276.88	0.3683	0.2805
Mercury	-2604-02-07 01:40 J	770349.49	770349.57	770349.66	0.3691	0.2980
Mercury	-2599-08-24 09:21 J	772373.75	772373.89	772374.04	0.3690	0.1353
Mercury	-2589-03-05 13:40 J	775854.99	775855.07	775855.14	0.3678	0.2591
Mercury	-2584-09-19 05:31 J	777878.63	777878.73	777878.83	0.3680	0.1091
Mercury	-2578-04-04 21:36 J	779902.29	779902.40	779902.50	0.3681	0.0424
Mercury	-2573-10-18 13:12 J	781925.97	781926.05	781926.14	0.3682	0.1867
Mercury	-2567-05-04 05:02 J	783949.67	783949.71	783949.75	0.3684	0.3295
Mercury	-2548-09-14 03:36 J	791022.51	791022.65	791022.78	0.3691	0.1626
Mercury	-2542-03-31 11:31 J	793046.88	793046.98	793047.08	0.3689	0.2772
Mercury	-2538-03-27 19:12 J	794504.28	794504.30	794504.32	0.3678	0.3589
Mercury	-2533-10-10 11:16 J	796527.88	796527.97	796528.05	0.3679	0.2067

Mercury	-2527-04-26 03:07 J	798551.53	798551.63	798551.73	0.3680	0.0573
Mercury	-2522-11-09 18:57 J	800575.19	800575.29	800575.39	0.3681	0.0912
Mercury	-2516-05-25 10:47 J	802598.87	802598.95	802599.03	0.3683	0.2353
Mercury	-2491-04-21 05:16 J	811695.57	811695.72	811695.87	0.3690	0.0266
Mercury	-2482-11-01 16:47 J	815177.14	815177.20	815177.26	0.3678	0.3057
Mercury	-2476-05-17 08:52 J	817200.77	817200.87	817200.96	0.3679	0.1554
Mercury	-2471-12-01 00:43 J	819224.43	819224.53	819224.63	0.3681	0.0060
Mercury	-2465-06-15 16:33 J	821248.09	821248.19	821248.28	0.3682	0.1398
Mercury	-2460-12-30 08:23 J	823271.78	823271.85	823271.91	0.3683	0.2846
Mercury	-2440-05-11 23:31 J	830344.40	830344.48	830344.55	0.3692	0.3160
Mercury	-2435-11-26 06:57 J	832368.64	832368.79	832368.94	0.3690	0.1106
Mercury	-2425-06-07 14:23 J	835850.02	835850.10	835850.17	0.3679	0.2544
Mercury	-2420-12-22 06:14 J	837873.66	837873.76	837873.86	0.3680	0.1046
Mercury	-2414-07-07 22:19 J	839897.32	839897.43	839897.53	0.3681	0.0459
Mercury	-2408-01-20 13:55 J	841921.00	841921.08	841921.17	0.3682	0.1899
Mercury	-2403-08-06 05:45 J	843944.70	843944.74	843944.78	0.3683	0.3323
Mercury	-2384-12-17 00:57 J	851017.41	851017.54	851017.67	0.3691	0.1858
Mercury	-2378-07-03 08:52 J	853041.76	853041.87	853041.98	0.3690	0.2505
Mercury	-2374-06-29 19:55 J	854499.30	854499.33	854499.35	0.3678	0.3544
Mercury	-2368-01-12 12:00 J	856522.91	856523.00	856523.08	0.3679	0.2027
Mercury	-2363-07-29 03:50 J	858546.56	858546.66	858546.77	0.3680	0.0532
Mercury	-2357-02-11 19:40 J	860570.22	860570.32	860570.42	0.3681	0.0945
Mercury	-2352-08-27 11:31 J	862593.90	862593.98	862594.06	0.3683	0.2386
Mercury	-2327-07-24 02:38 J	871690.46	871690.61	871690.76	0.3691	0.0506
Mercury	-2317-02-03 17:31 J	875172.17	875172.23	875172.29	0.3678	0.3016
Mercury	-2312-08-19 09:36 J	877195.80	877195.90	877195.99	0.3679	0.1510
Mercury	-2306-03-05 01:26 J	879219.46	879219.56	879219.67	0.3680	0.0037
Mercury	-2301-09-17 17:16 J	881243.13	881243.22	881243.32	0.3682	0.1437
Mercury	-2295-04-03 09:07 J	883266.82	883266.88	883266.94	0.3683	0.2875
Mercury	-2276-08-13 20:52 J	890339.31	890339.37	890339.43	0.3692	0.3374

Mercury	-2270-02-28 04:33 J	892363.54	892363.69	892363.83	0.3690	0.0867
Mercury	-2261-09-09 15:07 J	895845.05	895845.13	895845.20	0.3678	0.2493
Mercury	-2255-03-26 07:12 J	897868.70	897868.80	897868.90	0.3680	0.0997
Mercury	-2250-10-09 23:02 J	899892.36	899892.46	899892.56	0.3681	0.0487
Mercury	-2244-04-24 14:52 J	901916.03	901916.12	901916.21	0.3682	0.1935
Mercury	-2239-11-08 06:43 J	903939.74	903939.78	903939.81	0.3683	0.3365
Mercury	-2219-03-20 22:33 J	911012.32	911012.44	911012.57	0.3691	0.2051
Mercury	-2214-10-05 06:28 J	913036.65	913036.77	913036.89	0.3690	0.2257
Mercury	-2210-10-01 20:38 J	914494.33	914494.36	914494.39	0.3677	0.3483
Mercury	-2204-04-16 12:43 J	916517.94	916518.03	916518.12	0.3679	0.1971
Mercury	-2199-10-31 04:47 J	918541.59	918541.70	918541.80	0.3680	0.0502
Mercury	-2193-05-15 20:38 J	920565.26	920565.36	920565.46	0.3681	0.0989
Mercury	-2188-11-29 12:28 J	922588.94	922589.02	922589.09	0.3682	0.2428
Mercury	-2163-10-26 00:14 J	931685.36	931685.51	931685.66	0.3691	0.0719
Mercury	-2157-05-11 08:09 J	933709.82	933709.84	933709.86	0.3689	0.3642
Mercury	-2153-05-07 18:14 J	935167.20	935167.26	935167.32	0.3678	0.2961
Mercury	-2148-11-21 10:19 J	937190.83	937190.93	937191.02	0.3679	0.1457
Mercury	-2142-06-07 02:09 J	939214.49	939214.59	939214.70	0.3680	0.0052
Mercury	-2137-12-20 18:00 J	941238.16	941238.25	941238.35	0.3682	0.1483
Mercury	-2131-07-06 09:50 J	943261.85	943261.91	943261.97	0.3683	0.2900
Mercury	-2112-11-15 18:43 J	950334.24	950334.28	950334.31	0.3692	0.3551
Mercury	-2106-06-02 01:55 J	952358.43	952358.58	952358.73	0.3691	0.0639
Mercury	-2097-12-12 15:50 J	955840.08	955840.16	955840.24	0.3678	0.2440
Mercury	-2091-06-28 07:55 J	957863.72	957863.83	957863.93	0.3680	0.0962
Mercury	-2085-01-11 23:45 J	959887.39	959887.49	959887.59	0.3681	0.0521
Mercury	-2080-07-27 15:36 J	961911.06	961911.15	961911.24	0.3682	0.1966
Mercury	-2074-02-10 07:26 J	963934.77	963934.81	963934.84	0.3683	0.3384
Mercury	-2055-06-22 20:09 J	971007.23	971007.34	971007.46	0.3692	0.2249
Mercury	-2049-01-07 03:36 J	973031.52	973031.65	973031.78	0.3690	0.1969
Mercury	-2045-01-03 21:21 J	974489.35	974489.39	974489.42	0.3678	0.3437

Mercury	-2040-07-19 13:26 J	976512.97	976513.06	976513.15	0.3679	0.1930
Mercury	-2034-02-02 05:16 J	978536.62	978536.72	978536.83	0.3680	0.0467
Mercury	-2029-08-17 21:21 J	980560.29	980560.39	980560.49	0.3681	0.1020
Mercury	-2023-03-03 13:12 J	982583.97	982584.05	982584.12	0.3682	0.2455

2ND MILLENNIUM BCE

This is a list of transits visible from Venus in the 2nd millennium BCE.

PLANET	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Mercury	-1998-01-27 21:50 J		991680.26	991680.41	991680.55	0.3691	0.0957	
Mercury	-1993-08-13 05:31 J		993704.67	993704.73	993704.79	0.3689	0.3342	
Mercury	-1989-08-09 18:57 J		995162.22	995162.29	995162.35	0.3678	0.2916	
Mercury	-1983-02-23 11:02 J		997185.86	997185.96	997186.05	0.3679	0.1417	
Mercury	-1978-09-09 02:52 J		999209.52	999209.62	999209.73	0.3680	0.0123	
Mercury	-1972-03-24 18:57 J		1001233.19	1001233.29	1001233.38	0.3681	0.1519	
Mercury	-1967-10-08 10:33 J		1003256.88	1003256.94	1003257.00	0.3683	0.2939	
Mercury	-1942-09-03 23:31 J		1012353.33	1012353.48	1012353.63	0.3691	0.0379	
Mercury	-1932-03-16 16:33 J		1015835.11	1015835.19	1015835.27	0.3678	0.2395	
Mercury	-1927-09-30 08:38 J		1017858.76	1017858.86	1017858.96	0.3679	0.0910	
Mercury	-1921-04-15 00:28 J		1019882.42	1019882.52	1019882.63	0.3681	0.0566	
Mercury	-1916-10-29 16:19 J		1021906.10	1021906.18	1021906.27	0.3682	0.2007	
Mercury	-1910-05-15 08:09 J		1023929.80	1023929.84	1023929.88	0.3683	0.3415	
Mercury	-1891-09-24 17:45 J		1031002.13	1031002.24	1031002.35	0.3692	0.2458	
Mercury	-1885-04-10 01:12 J		1033026.42	1033026.55	1033026.68	0.3690	0.1720	

Mercury	-1881-04-06 22:04 J	1034484.38	1034484.42	1034484.45	0.3677	0.3389
Mercury	-1876-10-21 14:09 J	1036508.00	1036508.09	1036508.18	0.3679	0.1878
Mercury	-1870-05-07 06:14 J	1038531.65	1038531.76	1038531.86	0.3680	0.0417
Mercury	-1865-11-19 22:04 J	1040555.32	1040555.42	1040555.52	0.3681	0.1058
Mercury	-1859-06-05 13:55 J	1042579.00	1042579.08	1042579.16	0.3682	0.2483
Mercury	-1834-05-01 19:26 J	1051675.17	1051675.31	1051675.46	0.3691	0.1154
Mercury	-1829-11-15 03:07 J	1053699.55	1053699.63	1053699.71	0.3690	0.3089
Mercury	-1825-11-11 19:40 J	1055157.25	1055157.32	1055157.38	0.3678	0.2863
Mercury	-1819-05-28 11:45 J	1057180.89	1057180.99	1057181.09	0.3679	0.1371
Mercury	-1814-12-12 03:50 J	1059204.55	1059204.66	1059204.76	0.3680	0.0175
Mercury	-1808-06-26 19:40 J	1061228.22	1061228.32	1061228.41	0.3681	0.1543
Mercury	-1802-01-10 11:31 J	1063251.92	1063251.98	1063252.04	0.3683	0.2966
Mercury	-1778-12-06 21:07 J	1072348.23	1072348.38	1072348.53	0.3691	0.0157
Mercury	-1768-06-18 17:16 J	1075830.14	1075830.22	1075830.30	0.3678	0.2358
Mercury	-1762-01-02 09:21 J	1077853.79	1077853.89	1077853.99	0.3679	0.0869
Mercury	-1757-07-18 01:12 J	1079877.45	1079877.55	1079877.66	0.3681	0.0599
Mercury	-1751-01-31 17:02 J	1081901.13	1081901.21	1081901.30	0.3682	0.2030
Mercury	-1746-08-17 08:52 J	1083924.84	1083924.87	1083924.91	0.3683	0.3439
Mercury	-1727-12-27 15:21 J	1090997.04	1090997.14	1090997.25	0.3692	0.2672
Mercury	-1721-07-12 22:47 J	1093021.31	1093021.45	1093021.59	0.3690	0.1470
Mercury	-1717-07-09 22:33 J	1094479.40	1094479.44	1094479.49	0.3677	0.3349
Mercury	-1711-01-23 14:52 J	1096503.03	1096503.12	1096503.21	0.3679	0.1845
Mercury	-1706-08-09 06:57 J	1098526.68	1098526.79	1098526.89	0.3680	0.0383
Mercury	-1700-02-21 22:47 J	1100550.35	1100550.45	1100550.55	0.3681	0.1084
Mercury	-1695-09-07 14:38 J	1102574.04	1102574.11	1102574.19	0.3682	0.2509
Mercury	-1670-08-03 17:02 J	1111670.07	1111670.21	1111670.35	0.3692	0.1389
Mercury	-1664-02-17 00:28 J	1113694.42	1113694.52	1113694.62	0.3690	0.2806
Mercury	-1660-02-13 20:24 J	1115152.28	1115152.35	1115152.41	0.3678	0.2833
Mercury	-1655-08-30 12:28 J	1117175.92	1117176.02	1117176.12	0.3679	0.1338
Mercury	-1649-03-15 04:33 J	1119199.58	1119199.69	1119199.79	0.3680	0.0199

Mercury	-1644-09-28 20:24 J	1121223.26	1121223.35	1121223.44	0.3681	0.1573
Mercury	-1638-04-14 12:14 J	1123246.95	1123247.01	1123247.07	0.3682	0.2990
Mercury	-1613-03-09 18:43 J	1132343.13	1132343.28	1132343.43	0.3691	0.0092
Mercury	-1604-09-20 18:00 J	1135825.17	1135825.25	1135825.33	0.3678	0.2313
Mercury	-1598-04-06 10:04 J	1137848.82	1137848.92	1137849.02	0.3679	0.0827
Mercury	-1593-10-20 02:09 J	1139872.48	1139872.59	1139872.69	0.3680	0.0648
Mercury	-1587-05-05 18:00 J	1141896.16	1141896.25	1141896.33	0.3682	0.2062
Mercury	-1582-11-19 09:50 J	1143919.88	1143919.91	1143919.94	0.3683	0.3469
Mercury	-1562-03-31 13:12 J	1150991.96	1150992.05	1150992.15	0.3692	0.2845
Mercury	-1557-10-14 20:24 J	1153016.21	1153016.35	1153016.49	0.3691	0.1233
Mercury	-1553-10-11 23:31 J	1154474.43	1154474.48	1154474.52	0.3677	0.3299
Mercury	-1547-04-27 15:35 J	1156498.06	1156498.15	1156498.24	0.3678	0.1798
Mercury	-1542-11-11 07:40 J	1158521.71	1158521.82	1158521.92	0.3680	0.0326
Mercury	-1536-05-26 23:31 J	1160545.38	1160545.48	1160545.58	0.3681	0.1125
Mercury	-1531-12-10 15:35 J	1162569.07	1162569.15	1162569.22	0.3682	0.2546
Mercury	-1506-11-05 14:52 J	1171664.98	1171665.12	1171665.25	0.3692	0.1582
Mercury	-1500-05-21 22:04 J	1173689.31	1173689.42	1173689.53	0.3690	0.2553
Mercury	-1496-05-18 21:07 J	1175147.31	1175147.38	1175147.44	0.3678	0.2784
Mercury	-1491-12-02 13:12 J	1177170.95	1177171.05	1177171.15	0.3679	0.1292
Mercury	-1485-06-17 05:16 J	1179194.61	1179194.72	1179194.82	0.3680	0.0209
Mercury	-1480-12-31 21:07 J	1181218.29	1181218.38	1181218.47	0.3681	0.1605
Mercury	-1474-07-17 12:57 J	1183241.98	1183242.04	1183242.10	0.3682	0.3010
Mercury	-1449-06-11 16:19 J	1192338.03	1192338.18	1192338.33	0.3691	0.0309
Mercury	-1440-12-23 18:43 J	1195820.20	1195820.28	1195820.36	0.3678	0.2271
Mercury	-1434-07-09 10:47 J	1197843.85	1197843.95	1197844.05	0.3679	0.0802
Mercury	-1428-01-22 02:52 J	1199867.51	1199867.62	1199867.72	0.3680	0.0675
Mercury	-1423-08-07 18:43 J	1201891.19	1201891.28	1201891.36	0.3681	0.2083
Mercury	-1417-02-21 10:33 J	1203914.91	1203914.94	1203914.97	0.3683	0.3481
Mercury	-1398-07-03 11:02 J	1210986.88	1210986.96	1210987.04	0.3693	0.3036
Mercury	-1392-01-16 17:45 J	1213011.10	1213011.24	1213011.39	0.3691	0.0957

Mercury	-1388-01-14 00:00 J	1214469.46	1214469.50	1214469.55	0.3677	0.3261
Mercury	-1383-07-30 16:19 J	1216493.09	1216493.18	1216493.27	0.3678	0.1768
Mercury	-1377-02-13 08:24 J	1218516.74	1218516.85	1218516.95	0.3680	0.0316
Mercury	-1372-08-29 00:14 J	1220540.42	1220540.51	1220540.61	0.3681	0.1151
Mercury	-1366-03-14 16:19 J	1222564.10	1222564.18	1222564.25	0.3682	0.2566
Mercury	-1341-02-07 12:28 J	1231659.89	1231660.02	1231660.15	0.3692	0.1798
Mercury	-1336-08-23 19:26 J	1233684.20	1233684.31	1233684.43	0.3690	0.2280
Mercury	-1332-08-20 21:50 J	1235142.34	1235142.41	1235142.47	0.3678	0.2748
Mercury	-1326-03-06 13:55 J	1237165.98	1237166.08	1237166.18	0.3679	0.1259
Mercury	-1321-09-19 06:00 J	1239189.64	1239189.75	1239189.85	0.3680	0.0211
Mercury	-1315-04-04 21:50 J	1241213.32	1241213.41	1241213.51	0.3681	0.1636
Mercury	-1310-10-19 13:40 J	1243237.02	1243237.07	1243237.13	0.3682	0.3043
Mercury	-1285-09-13 13:55 J	1252332.93	1252333.08	1252333.23	0.3691	0.0543
Mercury	-1279-03-30 21:21 J	1254357.36	1254357.39	1254357.42	0.3690	0.3605
Mercury	-1275-03-27 19:26 J	1255815.22	1255815.31	1255815.39	0.3678	0.2233
Mercury	-1270-10-11 11:31 J	1257838.88	1257838.98	1257839.08	0.3679	0.0757
Mercury	-1264-04-26 03:35 J	1259862.54	1259862.65	1259862.75	0.3680	0.0695
Mercury	-1259-11-09 19:26 J	1261886.23	1261886.31	1261886.40	0.3681	0.2115
Mercury	-1253-05-25 11:16 J	1263909.94	1263909.97	1263910.00	0.3683	0.3506
Mercury	-1234-10-05 08:52 J	1270981.80	1270981.87	1270981.94	0.3693	0.3220
Mercury	-1228-04-20 15:35 J	1273006.00	1273006.15	1273006.30	0.3691	0.0738
Mercury	-1224-04-18 00:43 J	1274464.48	1274464.53	1274464.58	0.3677	0.3217
Mercury	-1219-11-01 17:02 J	1276488.12	1276488.21	1276488.30	0.3678	0.1724
Mercury	-1213-05-17 09:07 J	1278511.77	1278511.88	1278511.98	0.3680	0.0263
Mercury	-1208-12-01 01:12 J	1280535.45	1280535.55	1280535.65	0.3681	0.1181
Mercury	-1202-06-16 17:02 J	1282559.14	1282559.21	1282559.28	0.3682	0.2584
Mercury	-1177-05-11 10:19 J	1291654.80	1291654.93	1291655.05	0.3692	0.1997
Mercury	-1172-11-25 17:16 J	1293679.09	1293679.22	1293679.34	0.3691	0.2032
Mercury	-1168-11-22 22:19 J	1295137.37	1295137.43	1295137.51	0.3678	0.2708
Mercury	-1162-06-08 14:38 J	1297161.01	1297161.11	1297161.21	0.3679	0.1230

Mercury	-1157-12-22 06:43 J	1299184.67	1299184.78	1299184.88	0.3680	0.0234
Mercury	-1151-07-07 22:33 J	1301208.35	1301208.44	1301208.54	0.3681	0.1652
Mercury	-1145-01-21 14:38 J	1303232.05	1303232.11	1303232.16	0.3682	0.3058
Mercury	-1121-12-16 11:31 J	1312327.84	1312327.98	1312328.13	0.3692	0.0777
Mercury	-1115-07-02 18:57 J	1314352.23	1314352.29	1314352.35	0.3690	0.3338
Mercury	-1111-06-29 19:55 J	1315810.25	1315810.33	1315810.42	0.3678	0.2207
Mercury	-1105-01-13 12:14 J	1317833.91	1317834.01	1317834.11	0.3679	0.0729
Mercury	-1100-07-29 04:19 J	1319857.57	1319857.68	1319857.78	0.3680	0.0720
Mercury	-1094-02-11 20:09 J	1321881.26	1321881.34	1321881.43	0.3681	0.2130
Mercury	-1089-08-27 12:00 J	1323904.98	1323905.00	1323905.03	0.3682	0.3522
Mercury	-1069-01-07 06:28 J	1330976.72	1330976.77	1330976.82	0.3693	0.3423
Mercury	-1064-07-23 13:12 J	1333000.90	1333001.05	1333001.20	0.3691	0.0501
Mercury	-1060-07-21 01:26 J	1334459.51	1334459.56	1334459.61	0.3677	0.3182
Mercury	-1054-02-03 17:45 J	1336483.14	1336483.24	1336483.33	0.3678	0.1704
Mercury	-1049-08-19 09:50 J	1338506.80	1338506.91	1338507.01	0.3679	0.0237
Mercury	-1043-03-05 01:55 J	1340530.48	1340530.58	1340530.67	0.3680	0.1204
Mercury	-1038-09-18 17:45 J	1342554.17	1342554.24	1342554.31	0.3682	0.2603
Mercury	-1013-08-13 07:55 J	1351649.71	1351649.83	1351649.95	0.3692	0.2216
Mercury	-1007-02-27 14:52 J	1353673.99	1353674.12	1353674.25	0.3691	0.1774
Mercury	-1003-02-24 23:02 J	1355132.39	1355132.46	1355132.53	0.3677	0.2673

1ST MILLENNIUM BCE

This is a list of transits visible from Venus in the 1st millennium BCE.

PLANET	MAX- TRANSIT	C	START	MAX	END	SUNRAD	DEPTH	S
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TIME

Mercury	-998-09-10 15:21 J	1357156.04	1357156.14	1357156.24	0.3679	0.1200
Mercury	-992-03-26 07:26 J	1359179.70	1359179.81	1359179.91	0.3680	0.0259
Mercury	-987-10-09 23:31 J	1361203.38	1361203.48	1361203.57	0.3681	0.1685
Mercury	-981-04-24 15:21 J	1363227.08	1363227.14	1363227.19	0.3682	0.3075
Mercury	-956-03-20 09:21 J	1372322.75	1372322.89	1372323.04	0.3692	0.0978
Mercury	-952-03-18 04:33 J	1373781.68	1373781.69	1373781.69	0.3677	0.3658
Mercury	-951-10-04 16:33 J	1374347.10	1374347.19	1374347.27	0.3690	0.3064
Mercury	-947-10-01 20:38 J	1375805.28	1375805.36	1375805.45	0.3678	0.2171
Mercury	-941-04-16 12:57 J	1377828.94	1377829.04	1377829.14	0.3679	0.0697
Mercury	-936-10-31 05:02 J	1379852.61	1379852.71	1379852.81	0.3680	0.0745
Mercury	-930-05-16 20:52 J	1381876.29	1381876.37	1381876.46	0.3681	0.2160
Mercury	-925-11-29 12:57 J	1383900.01	1383900.04	1383900.06	0.3682	0.3543
Mercury	-905-04-10 04:19 J	1390971.65	1390971.68	1390971.71	0.3693	0.3595
Mercury	-900-10-25 11:02 J	1392995.81	1392995.96	1392996.11	0.3691	0.0285
Mercury	-896-10-23 02:09 J	1394454.54	1394454.59	1394454.64	0.3677	0.3141
Mercury	-890-05-08 18:28 J	1396478.17	1396478.27	1396478.36	0.3678	0.1665
Mercury	-885-11-21 10:33 J	1398501.84	1398501.94	1398502.05	0.3679	0.0204
Mercury	-879-06-07 02:38 J	1400525.51	1400525.61	1400525.71	0.3681	0.1225
Mercury	-874-12-21 18:28 J	1402549.20	1402549.27	1402549.34	0.3682	0.2629
Mercury	-849-11-15 05:45 J	1411644.63	1411644.74	1411644.85	0.3693	0.2391
Mercury	-843-06-01 12:28 J	1413668.89	1413669.02	1413669.16	0.3691	0.1536
Mercury	-839-05-29 23:45 J	1415127.42	1415127.49	1415127.56	0.3678	0.2637
Mercury	-834-12-13 16:04 J	1417151.07	1417151.17	1417151.27	0.3679	0.1161
Mercury	-828-06-28 08:09 J	1419174.73	1419174.84	1419174.94	0.3680	0.0280
Mercury	-822-01-12 00:14 J	1421198.42	1421198.51	1421198.60	0.3681	0.1703
Mercury	-817-07-27 16:04 J	1423222.12	1423222.17	1423222.22	0.3682	0.3088
Mercury	-792-06-22 07:12 J	1432317.66	1432317.80	1432317.94	0.3692	0.1177
Mercury	-788-06-20 05:02 J	1433776.70	1433776.71	1433776.73	0.3677	0.3629
Mercury	-786-01-06 13:55 J	1434341.98	1434342.08	1434342.18	0.3690	0.2774

Mercury	-782-01-03 21:21 J	1435800.31	1435800.39	1435800.48	0.3678	0.2137
Mercury	-777-07-19 13:40 J	1437823.96	1437824.07	1437824.17	0.3679	0.0679
Mercury	-771-02-02 05:45 J	1439847.64	1439847.74	1439847.84	0.3680	0.0763
Mercury	-766-08-18 21:35 J	1441871.32	1441871.40	1441871.49	0.3681	0.2175
Mercury	-760-03-03 13:40 J	1443895.04	1443895.07	1443895.09	0.3682	0.3552
Mercury	-735-01-27 08:38 J	1452990.71	1452990.86	1452991.01	0.3691	0.0096
Mercury	-731-01-25 02:52 J	1454449.56	1454449.62	1454449.67	0.3677	0.3121
Mercury	-726-08-10 18:57 J	1456473.20	1456473.29	1456473.39	0.3678	0.1643
Mercury	-720-02-23 11:16 J	1458496.86	1458496.97	1458497.07	0.3679	0.0195
Mercury	-715-09-09 03:21 J	1460520.54	1460520.64	1460520.74	0.3680	0.1242
Mercury	-709-03-24 19:12 J	1462544.23	1462544.30	1462544.37	0.3681	0.2645
Mercury	-684-02-17 03:35 J	1471639.55	1471639.65	1471639.76	0.3693	0.2588
Mercury	-679-09-03 10:04 J	1473663.78	1473663.92	1473664.06	0.3691	0.1264
Mercury	-675-09-01 00:28 J	1475122.45	1475122.52	1475122.59	0.3677	0.2610
Mercury	-669-03-16 16:47 J	1477146.10	1477146.20	1477146.30	0.3678	0.1140
Mercury	-664-09-30 08:52 J	1479169.76	1479169.87	1479169.97	0.3680	0.0303
Mercury	-658-04-16 00:57 J	1481193.45	1481193.54	1481193.63	0.3681	0.1720
Mercury	-653-10-29 16:47 J	1483217.15	1483217.20	1483217.26	0.3682	0.3110
Mercury	-628-09-24 05:02 J	1492312.57	1492312.71	1492312.85	0.3692	0.1395
Mercury	-624-09-22 05:45 J	1493771.72	1493771.74	1493771.76	0.3677	0.3593
Mercury	-622-04-10 11:45 J	1494336.88	1494336.99	1494337.10	0.3691	0.2528
Mercury	-618-04-07 22:04 J	1495795.34	1495795.42	1495795.51	0.3678	0.2104
Mercury	-613-10-21 14:24 J	1497819.00	1497819.10	1497819.20	0.3679	0.0642
Mercury	-607-05-07 06:28 J	1499842.67	1499842.77	1499842.87	0.3680	0.0789
Mercury	-602-11-20 22:33 J	1501866.36	1501866.44	1501866.52	0.3681	0.2194
Mercury	-596-06-05 14:24 J	1503890.08	1503890.10	1503890.12	0.3682	0.3568
Mercury	-571-05-01 06:28 J	1512985.62	1512985.77	1512985.92	0.3692	0.0193
Mercury	-567-04-29 03:35 J	1514444.59	1514444.65	1514444.70	0.3677	0.3083
Mercury	-562-11-12 19:55 J	1516468.23	1516468.33	1516468.42	0.3678	0.1606
Mercury	-556-05-28 12:00 J	1518491.89	1518492.00	1518492.10	0.3679	0.0158

Mercury	-551-12-12 04:04 J	1520515.57	1520515.67	1520515.77	0.3680	0.1265
Mercury	-545-06-26 19:55 J	1522539.26	1522539.33	1522539.41	0.3682	0.2657
Mercury	-520-05-22 01:26 J	1531634.47	1531634.56	1531634.66	0.3693	0.2773
Mercury	-515-12-06 07:55 J	1533658.68	1533658.83	1533658.97	0.3691	0.1033
Mercury	-511-12-04 01:12 J	1535117.47	1535117.55	1535117.62	0.3677	0.2576
Mercury	-505-06-18 17:31 J	1537141.13	1537141.23	1537141.33	0.3679	0.1127
Mercury	-499-01-02 09:35 J	1539164.80	1539164.90	1539165.00	0.3680	0.0326
Mercury	-494-07-19 01:40 J	1541188.48	1541188.57	1541188.66	0.3681	0.1732
Mercury	-488-01-31 17:31 J	1543212.18	1543212.23	1543212.29	0.3682	0.3116
Mercury	-464-12-27 02:38 J	1552307.48	1552307.61	1552307.75	0.3692	0.1622
Mercury	-460-12-25 06:28 J	1553766.75	1553766.77	1553766.79	0.3677	0.3560
Mercury	-458-07-13 09:21 J	1554331.78	1554331.89	1554332.01	0.3691	0.2277
Mercury	-454-07-10 22:47 J	1555790.36	1555790.45	1555790.54	0.3678	0.2082
Mercury	-448-01-23 15:07 J	1557814.02	1557814.13	1557814.23	0.3679	0.0633
Mercury	-443-08-09 07:12 J	1559837.70	1559837.80	1559837.90	0.3680	0.0803
Mercury	-437-02-22 23:16 J	1561861.38	1561861.47	1561861.55	0.3681	0.2201
Mercury	-432-09-07 15:07 J	1563885.11	1563885.13	1563885.15	0.3682	0.3573
Mercury	-407-08-03 04:04 J	1572980.52	1572980.67	1572980.82	0.3692	0.0425
Mercury	-403-08-01 04:04 J	1574439.62	1574439.67	1574439.73	0.3677	0.3057
Mercury	-401-02-17 11:02 J	1575004.91	1575004.96	1575005.00	0.3690	0.3520
Mercury	-397-02-14 20:24 J	1576463.26	1576463.35	1576463.45	0.3678	0.1588
Mercury	-392-08-30 12:43 J	1578486.92	1578487.03	1578487.13	0.3679	0.0149
Mercury	-386-03-16 04:47 J	1580510.60	1580510.70	1580510.80	0.3680	0.1280
Mercury	-381-09-28 20:52 J	1582534.30	1582534.37	1582534.44	0.3681	0.2670
Mercury	-356-08-23 23:16 J	1591629.39	1591629.47	1591629.56	0.3693	0.2977
Mercury	-350-03-10 05:45 J	1593653.59	1593653.74	1593653.88	0.3691	0.0805
Mercury	-346-03-08 01:55 J	1595112.50	1595112.58	1595112.65	0.3677	0.2553
Mercury	-341-09-20 18:14 J	1597136.15	1597136.26	1597136.36	0.3678	0.1103
Mercury	-335-04-06 10:19 J	1599159.83	1599159.93	1599160.04	0.3679	0.0348
Mercury	-330-10-21 02:24 J	1601183.51	1601183.60	1601183.69	0.3680	0.1752

Mercury	-324-05-05 18:28 J	1603207.21	1603207.27	1603207.32	0.3682	0.3134
Mercury	-299-03-31 00:43 J	1612302.40	1612302.53	1612302.66	0.3692	0.1809
Mercury	-295-03-29 07:12 J	1613761.77	1613761.80	1613761.82	0.3677	0.3532
Mercury	-294-10-15 07:12 J	1614326.67	1614326.80	1614326.92	0.3691	0.2028
Mercury	-290-10-12 23:31 J	1615785.39	1615785.48	1615785.57	0.3678	0.2051
Mercury	-284-04-27 15:50 J	1617809.05	1617809.16	1617809.26	0.3679	0.0605
Mercury	-279-11-11 07:55 J	1619832.73	1619832.83	1619832.93	0.3680	0.0827
Mercury	-273-05-27 00:00 J	1621856.42	1621856.50	1621856.58	0.3681	0.2218
Mercury	-268-12-10 15:50 J	1623880.14	1623880.16	1623880.18	0.3682	0.3588
Mercury	-243-11-05 01:55 J	1632975.44	1632975.58	1632975.73	0.3692	0.0637
Mercury	-239-11-03 04:47 J	1634434.64	1634434.70	1634434.76	0.3677	0.3024
Mercury	-237-05-21 08:38 J	1634999.79	1634999.86	1634999.93	0.3690	0.3256
Mercury	-233-05-18 21:07 J	1636458.29	1636458.38	1636458.48	0.3678	0.1559
Mercury	-228-12-02 13:26 J	1638481.95	1638482.06	1638482.16	0.3679	0.0118
Mercury	-222-06-18 05:31 J	1640505.63	1640505.73	1640505.83	0.3680	0.1292
Mercury	-217-12-31 21:35 J	1642529.33	1642529.40	1642529.47	0.3681	0.2683
Mercury	-192-11-25 21:21 J	1651624.31	1651624.39	1651624.46	0.3693	0.3149
Mercury	-186-06-12 03:35 J	1653648.50	1653648.65	1653648.79	0.3692	0.0585
Mercury	-182-06-10 02:24 J	1655107.53	1655107.60	1655107.68	0.3677	0.2531
Mercury	-177-12-23 18:43 J	1657131.18	1657131.28	1657131.39	0.3678	0.1079
Mercury	-171-07-09 11:02 J	1659154.85	1659154.96	1659155.06	0.3679	0.0360
Mercury	-165-01-23 03:07 J	1661178.54	1661178.63	1661178.72	0.3681	0.1762
Mercury	-160-08-07 19:12 J	1663202.24	1663202.30	1663202.35	0.3682	0.3138
Mercury	-135-07-02 22:33 J	1672297.32	1672297.44	1672297.56	0.3693	0.2002
Mercury	-131-07-01 07:40 J	1673756.79	1673756.82	1673756.85	0.3677	0.3512
Mercury	-129-01-17 04:47 J	1674321.57	1674321.70	1674321.83	0.3691	0.1753
Mercury	-125-01-15 00:14 J	1675780.42	1675780.51	1675780.59	0.3678	0.2033
Mercury	-120-07-30 16:33 J	1677804.08	1677804.19	1677804.29	0.3679	0.0601
Mercury	-114-02-13 08:38 J	1679827.76	1679827.86	1679827.96	0.3680	0.0833
Mercury	-109-08-29 00:43 J	1681851.45	1681851.53	1681851.61	0.3681	0.2227

Mercury	-103-03-14 16:33 J	1683875.18	1683875.19	1683875.21	0.3682	0.3594
Mercury	-78-02-06 23:45 J	1692970.35	1692970.49	1692970.64	0.3692	0.0854
Mercury	-74-02-05 05:31 J	1694429.67	1694429.73	1694429.79	0.3677	0.3008
Mercury	-73-08-23 06:14 J	1694994.68	1694994.76	1694994.85	0.3691	0.2973
Mercury	-69-08-20 21:50 J	1696453.31	1696453.41	1696453.51	0.3678	0.1539
Mercury	-63-03-06 14:09 J	1698476.98	1698477.09	1698477.19	0.3679	0.0127
Mercury	-58-09-20 06:14 J	1700500.66	1700500.76	1700500.86	0.3680	0.1305
Mercury	-52-04-04 22:19 J	1702524.36	1702524.43	1702524.50	0.3681	0.2690
Mercury	-27-02-27 19:12 J	1711619.24	1711619.30	1711619.36	0.3693	0.3335
Mercury	-22-09-14 01:12 J	1713643.40	1713643.55	1713643.70	0.3691	0.0325
Mercury	-18-09-12 03:07 J	1715102.56	1715102.63	1715102.71	0.3677	0.2508
Mercury	-12-03-27 19:26 J	1717126.21	1717126.31	1717126.41	0.3678	0.1053
Mercury	-7-10-11 11:45 J	1719149.88	1719149.99	1719150.09	0.3679	0.0378
Mercury	-1-04-26 03:50 J	1721173.57	1721173.66	1721173.75	0.3680	0.1775